Owner's Manual
for Vehicle

The Ultimate
Driving Machine

Contents
A - Z

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

M5 Owner's Manual for Vehicle

Congratulations, and thank you for choosing a BMW M5.

Thorough familiarity with your vehicle will provide you with enhanced control and security when you drive it. We therefore have this request:

Please take the time to read this Owner's Manual and familiarize yourself with the information that we have compiled for you before starting off in your new vehicle. It contains important data and instructions intended to assist you in gaining maximum use and satisfaction from your BMW M5's unique range of technical features. The manual also contains information on maintenance designed to enhance operating safety and contribute to maintaining the value of your BMW M5 throughout an extended service life.

This manual is supplemented by a Service and Warranty Information Booklet for US models or a Warranty and Service Guide Booklet for Canadian models.

We wish you an enjoyable driving experience.

BMW AG

BMW recommends Castrol

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

© 2006 Bayerische Motoren Werke
Aktiengesellschaft
Munich, Germany
Reprinting, including excerpts,
only with the written consent of
BMW AG, Munich.
Order No. 01 41 0 012 113
US English II/06, 06 03 500
Printed in Germany
Printed on environmentally friendly paper,
bleached without chlorine, suitable for recycling.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Contents

The fastest way to find specific topics is to use the index, refer to page 210.

Using this Owner's Manual
4 Notes
7 Reporting safety defects

At a glance
10 Cockpit
16 iDrive
22 Voice command system

Controls
28 Opening and closing
40 Adjustments
50 Transporting children safely
53 Driving
62 Everything under control
73 Technology for comfort, convenience and safety
83 Lamps
87 Climate
93 Practical interior accessories

Driving tips
104 Things to remember when driving

Navigation
112 Starting navigation system
113 Destination entry
124 Destination guidance
129 What to do if ...

Entertainment
132 On/off and tone
136 Radio
145 CD player and CD changer
151 External audio device

Communications
154 Telephoning
167 TeleService, BMW Assist

Mobility
174 Refueling
176 Wheels and tires
181 Under the hood
186 Maintenance
188 Replacing components
196 Giving and receiving assistance

Reference
202 Technical data
205 Short commands of voice command system
210 Everything from A to Z

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Notes

Using this Owner's Manual

We have made every effort to ensure that you are able to find what you need in this Owner's Manual as quickly as possible. The fastest way to find specific topics is to refer to the detailed index at the back of the manual. If you wish to gain an initial overview of your vehicle, you will find this in the first chapter.

Should you sell your BMW some day, please remember to hand over the Owner's Manual as well; it is an important component of your vehicle.

Additional sources of information

Should you have any other questions, your BMW center will be glad to advise you at any time.

You can find information on BMW, e.g. on technology, on the Internet at www.bmwusa.com.

Symbols used

Indicates precautions that must be followed precisely in order to avoid the possibility of personal injury and serious damage to the vehicle.

Indicates information that will assist you in gaining the optimum benefit from your vehicle and enable you to care more effectively for your vehicle.

Refers to measures that can be taken to help protect the environment.

◀ Marks the end of a specific item of information.

* Indicates special equipment, country-specific equipment and optional extras, as well as equipment and functions not yet available at the time of printing.

"..." Identifies Control Display texts used to select individual functions.

›...‹ Verbal instructions to use with the voice command system.

››...‹‹ Identifies the answers generated by the voice command system.

Symbols on vehicle components

Indicates that you should consult the relevant section of this Owner's Manual for information on a particular part or assembly.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

The individual vehicle

When purchasing your BMW, you have decided in favor of a model with individualized equipment and features. This Owner's Manual describes all equipment and features offered for the BMW M5.

Please bear in mind that the manual may contain information on accessories and equipment that you have not specified for your own vehicle. Sections describing options and special equipment are marked by asterisks * to assist you in identifying possible differences between the descriptions in this manual and your own vehicle's equipment.

If equipment in your BMW is not described in this Owner's Manual, please refer to the accompanying Supplementary Owner's Manuals.

Editorial notice

BMW pursues a policy of continuous, ongoing development that is conceived to ensure that our vehicles continue to embody the highest quality and safety standards combined with advanced, state-of-the-art technology. For this reason, it is possible that the features described in this Owner's Manual could differ from those on your vehicle.

For your own safety

Maintenance and repairs

Advanced technology, e.g. the use of modern materials and high-performance electronics, requires specially adapted maintenance and repair methods. Therefore, have corresponding work on your BMW performed only by your BMW center or a workshop that works according to BMW repair procedures with correspondingly trained personnel. If this work is not carried out properly, there is a danger of subsequent damage and related safety hazards.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Parts and accessories

For your own safety, use genuine parts and accessories approved by BMW.
When you purchase accessories tested and approved by BMW and Genuine BMW Parts, you simultaneously acquire the assurance that they have been thoroughly tested by BMW to ensure optimum performance when installed on your vehicle.
BMW warrants these parts to be free from defects in material and workmanship.
BMW will not accept any liability for damage resulting from installation of parts and accessories not approved by BMW.
BMW cannot test every product made by other manufacturers to verify if it can be used on a BMW safely and without risk to either the vehicle, its operation or its occupants.
Genuine BMW Parts, BMW Accessories and other products approved by BMW, together with professional advice on using these items, are available from all BMW centers.
Installation and operation of non-BMW approved accessories such as alarms, radios, amplifiers, radar detectors, wheels, suspension components, brake dust shields, telephones, including operation of any mobile phone from within the vehicle without using an externally mounted antenna, or transceiver equipment, for instance, CBs, walkie-talkies, ham radios or similar accessories, may cause extensive damage to the vehicle, compromise its safety, interfere with the vehicle's electrical system or affect the validity of the BMW Limited Warranty. See your BMW center for additional information.◀

Maintenance, replacement, or repair of the emission control devices and systems may be performed by any automotive repair establishment or individual using any certified automotive part.◀

California Proposition 65 Warning

California law requires us to issue the following warning:

Engine exhaust and a wide variety of automobile components and parts, including components found in the interior furnishings in a vehicle, contain or emit chemicals known to the State of California to cause cancer and birth defects and reproductive harm. In addition, certain fluids contained in vehicles and certain products of component wear contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
Battery posts, terminals and related accessories contain lead and lead compounds. Wash your hands after handling.
Used engine oil contains chemicals that have caused cancer in laboratory animals. Always protect your skin by washing thoroughly with soap and water.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Service and warranty

We recommend that you read this publication thoroughly.

Your BMW is covered by the following warranties:

- New Vehicle Limited Warranty
- Rust Perforation Limited Warranty
- Federal Emissions System Defect Warranty
- Federal Emissions Performance Warranty
- California Emission Control System Limited Warranty

Detailed information about these warranties is listed in the Service and Warranty Information Booklet for US models or in the Warranty and Service Guide Booklet for Canadian models.

Reporting safety defects

For US customers

The following applies only to vehicles owned and operated in the US.

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration, NHTSA, in addition to notifying BMW of North America, LLC, P.O. Box 1227, Westwood, New Jersey 07675-1227, Telephone 1-800-831-1117.

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or BMW of North America, LLC.

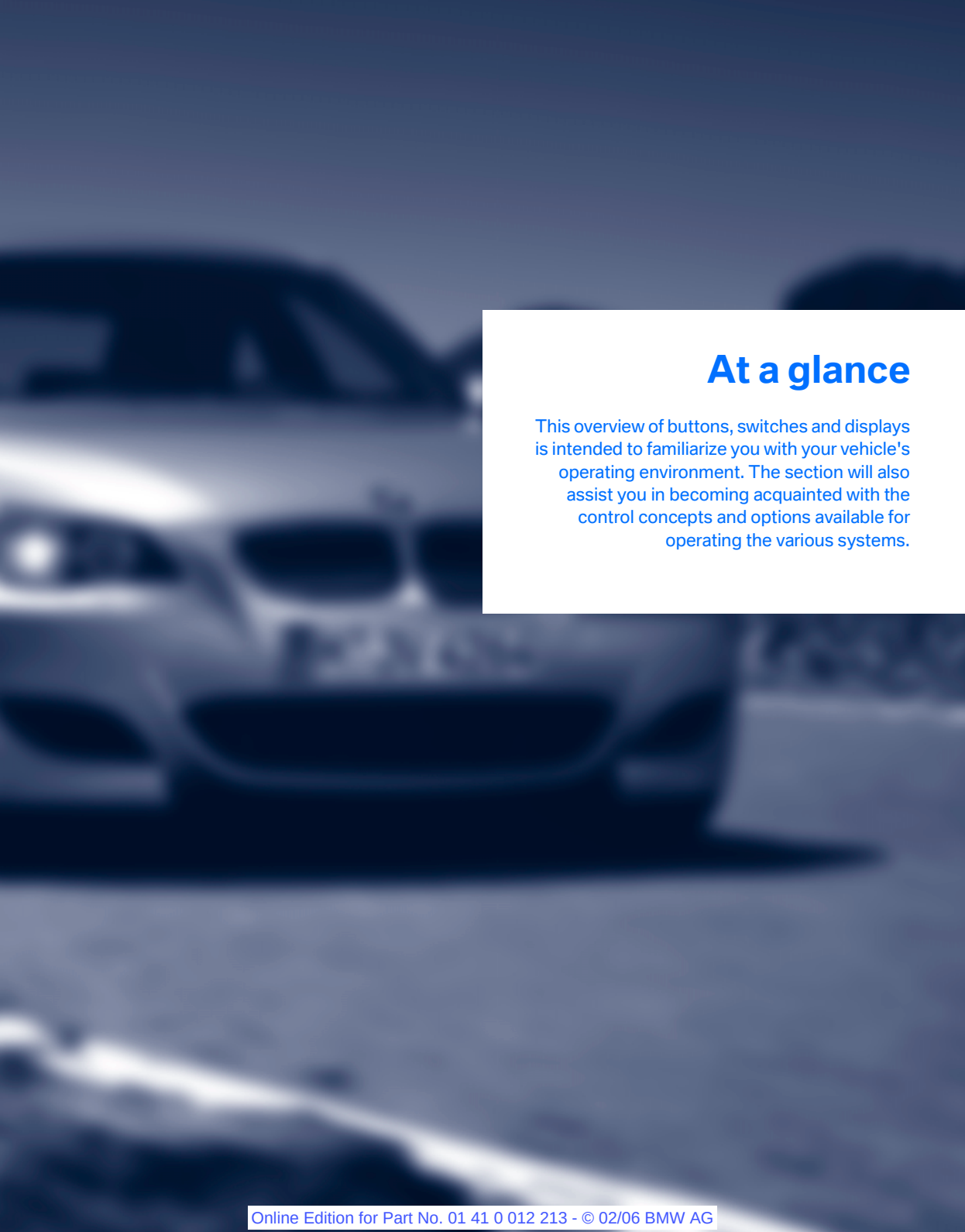
To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-800-327-4236 (TTY: 1-800-424-9153); go to http://www.safercar.gov; or write to: Administrator, NHTSA, 400 Seventh Street, SW., Washington, DC 20590. You can also obtain other information about motor vehicle safety from http://www.safercar.gov

For Canadian customers

Canadian customers who wish to report a safety-related defect to Transport Canada, Defect Investigations and Recalls, may telephone the toll free hotline 1-800-333-0510, or contact Transport Canada by mail at: Transport Canada, ASFAD, Place de Ville Tower C, 330 Sparks Street, Ottawa ON K1A 0N5.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG



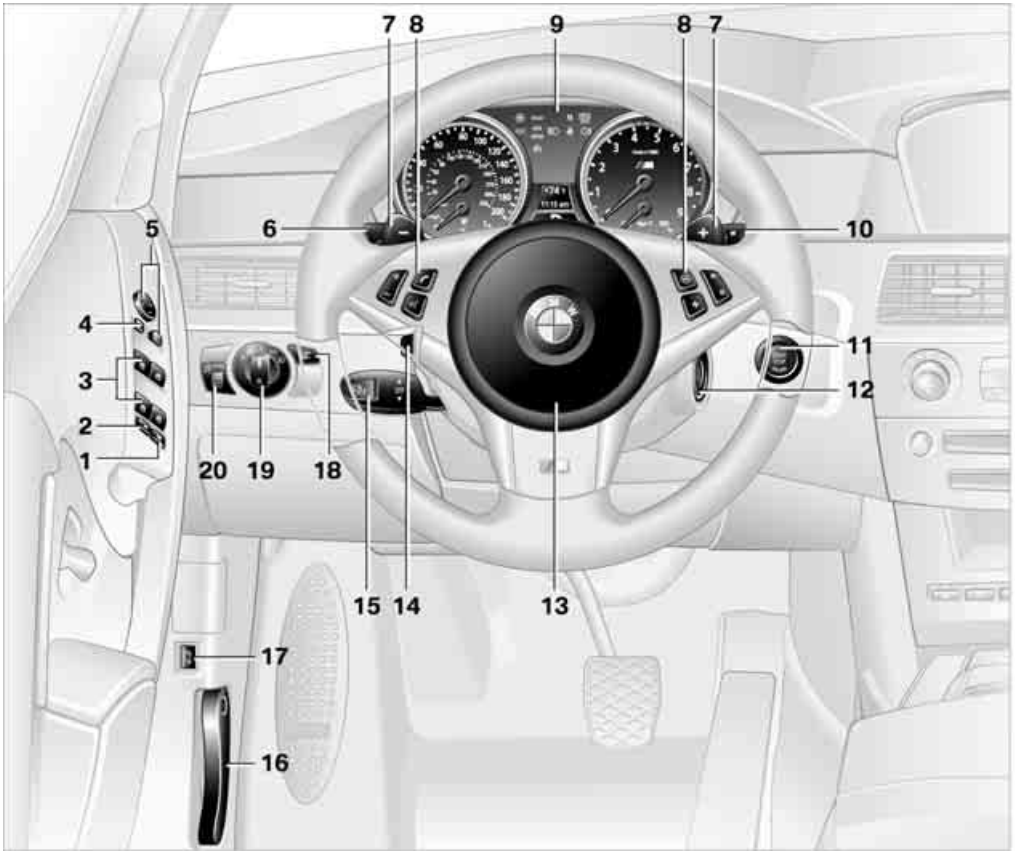
At a glance

This overview of buttons, switches and displays is intended to familiarize you with your vehicle's operating environment. The section will also assist you in becoming acquainted with the control concepts and options available for operating the various systems.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Cockpit

Around the steering wheel: controls and displays



1 Sun blind* for rear window 94

2 Rear window safety switch 38

3 Opening and closing windows 37

4 Folding exterior mirrors in and out* 46

5 Adjusting exterior mirrors 45
Automatic parking function 46

6

Turn signal 59

High beams, headlamp flasher 84

High-beam assistant* 84

Roadside parking lamps 84

CHECK Check Control 67

BC Computer 63

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

7 Shift paddles 57

8 Buttons on steering wheel

Mobile phone* 154:

- Press: accepting and ending call, starting dialing* for selected phone number and redialing if no phone number is selected
- Press longer: redialing

Volume

Activating/deactivating voice command system* 22

Changing radio station
Selecting music track
Scrolling in phone book and in lists with stored phone numbers

MDrive, call up individual settings 48

Individually programmable 47

9 Instrument cluster 12

10 Windshield wipers 59

Rain sensor 60

11 START STOP ENGINE Starting/stopping engine and switching ignition on/off 53

12 Ignition lock 53

13 Horn: entire surface

14 Steering wheel adjustment 47

15 Cruise control 61

16 Releasing hood 181

17 Opening luggage compartment lid 33

18 Head-Up Display* 80

19 Parking lamps 83

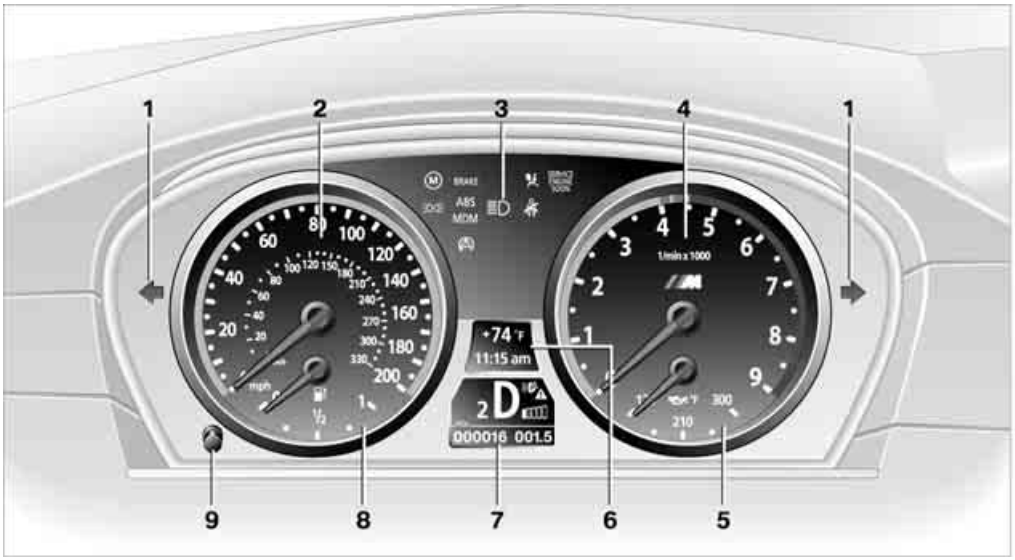
Low beams 83

Automatic headlamp control 83
Adaptive Head Light* 84
High-beam assistant* 84

20 Instrument lighting 86

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Instrument cluster



1 Indicator lamps for turn signals
2 Speedometer
3 Indicator and warning lamps 13
4 Tachometer 62
5 Engine oil thermometer 63
6 Display for
- Computer 63
  Engine oil level 182
- Indicator and warning lamps 67
- Speed of cruise control 61

7 Displays for
- Sequential Manual Transmission with Drivelogic 55
- ⚠ Check Control message present 67
- Odometer and trip odometer 62
- Date and remaining travel distance for service requirements 66
- High-beam assistant* 85

8 Fuel gauge 63
9 Resetting trip odometer 62

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Indicator and warning lamps

The concept

Indicator and warning lamps can light up both in the display area **1** and in the display **2** in various combinations and colors.

Some lights are tested for proper function by briefly lighting up during starting of the engine or when the ignition is switched on.

Explanatory text messages

Text message at the bottom edge of the Control Display explain the meaning of the displayed indicator and warning lamps.

Washer fluid
Insufficient washer fluid in fluid reservoir.
Refill as soon as possible, refer to Owner's Manual.
103.5
01:45 PM

Additional information, e.g. on the cause of a malfunction and on the corresponding need to take action can be displayed via the Check Control, refer to page 67.

In the case of corresponding urgency, this information is displayed immediately when the related lamp lights up.

Indicator lamps without text messages

The following indicator lamps in the display area **1** indicate that the associated functions are activated or deactivated:

MDrive 49

Handbrake engaged 55

Handbrake engaged for Canadian models

Parking lamps/low beams 83

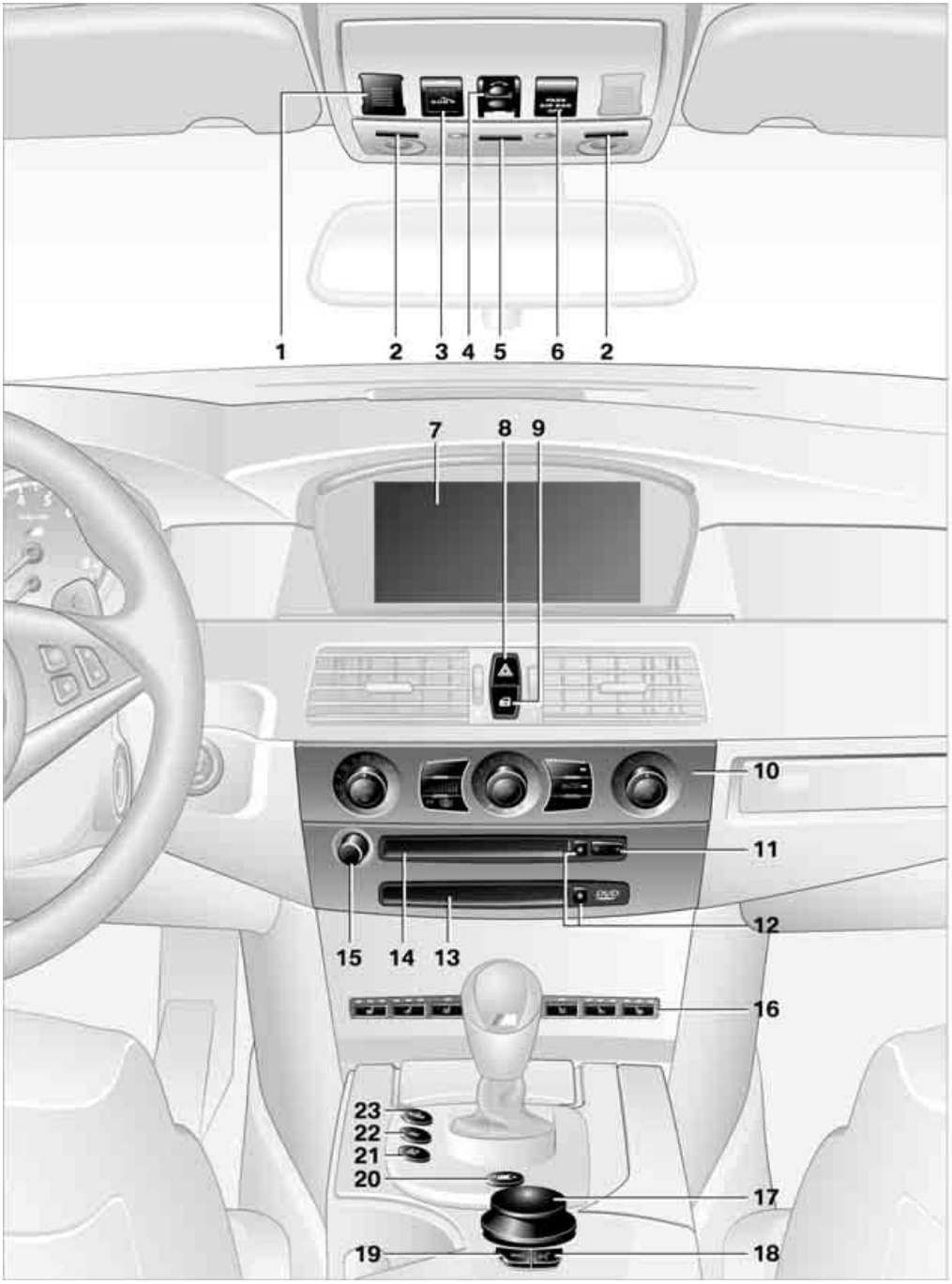
M Dynamic Mode 75

High beams/headlamp flasher 84

Lamp flashes:
DSC controls the drive and braking forces for maintaining vehicle stability 75

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Around the center console: controls and displays



Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

1 Microphone for handsfree mode for telephone*
and for voice command system* 22

2 Reading lamps 86

3 Initiating an emergency call 196

4 Glass sunroof*, electric 38

5 Interior lamps 86

6 Passenger airbag status lamp 79

7 Control Display 16

8 Hazard warning flashers

9 Central locking system 32

10 Automatic climate control 87

TEMP Temperature setting, left/right 88

AUTO Automatic air distribution and volume 88

Cooling function 89

AUC Automatic recirculated-air control 90

Recirculated-air mode 90

MAX Maximum cooling 89

REST Residual heat mode 90

OFF Switching off automatic climate control 90

Air volume 89

Defrosting windows and removing condensation 89

Rear window defroster 87

11 Changing

- ▷ radio station 132
- ▷ track 132

12 Ejecting

- ▷ navigation DVD* 132
- ▷ audio CD 132

13 Drive for navigation system DVD with Professional navigation system* 112

14 Drive for audio CDs 132

15 Switching Entertainment sound output on/off and adjusting volume 132

16

Heated seats 45

Active seat ventilation* 45

Adjusting active backrest width* 41

Flat Tire Monitor 76

PDC Park Distance Control* 73

17 Controller 16
Turn, press or move horizontally in four directions

18 Activating voice command system* 22

19 Opening start menu on Control Display 17

20 Drivelogic of Sequential Manual Transmission 57

21 EDC Electronic Damping Control 76

22 DSC Dynamic Stability Control 75

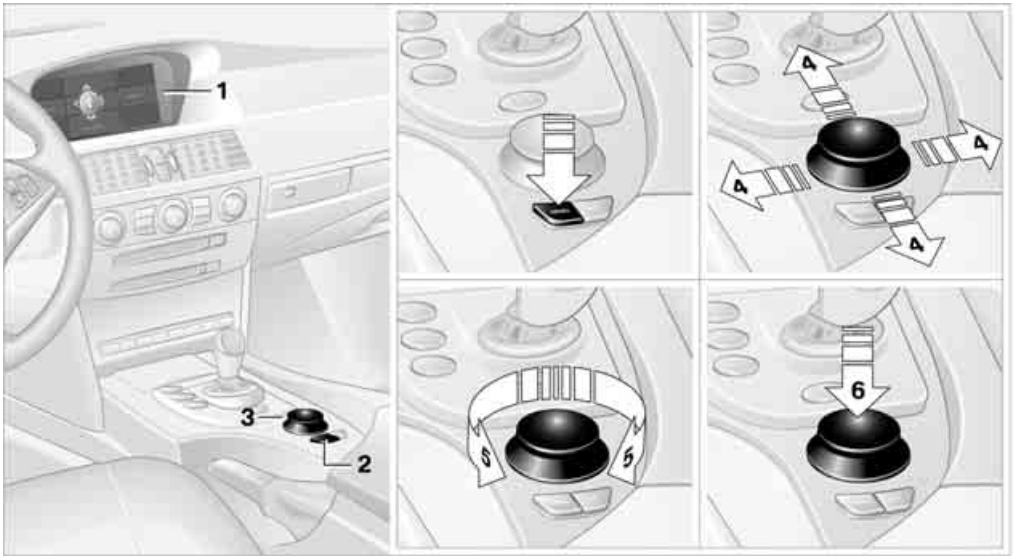
23 M Engine Dynamic Control POWER 58

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

iDrive

iDrive combines the functions of a large number of switches. This allows these functions to be operated from a central position. The following section provides an introduction to basic menu navigation. The control of the individual functions is described in connection with the relevant equipment.

Controls



1 Control Display

2 **MENU** button
Opening start menu

3 Controller
With the controller you can select menu items and make settings:

- ▷ move in four directions, arrows **4**
- ▷ turn, arrow **5**
- ▷ press, arrow **6**

To avoid posing an unnecessary hazard due to inattention, both to your own vehicle's occupants and to other road users: never attempt to use the controls or make entries unless traffic and road conditions allow.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Menu overview

Communication

- Telephone*
- BMW Assist* or TeleService*

Navigation or onboard information

- Navigation system*
- Onboard information, e.g. for displaying the average fuel consumption

Entertainment

- Radio
- CD player and CD changer*
- External audio device

Climate

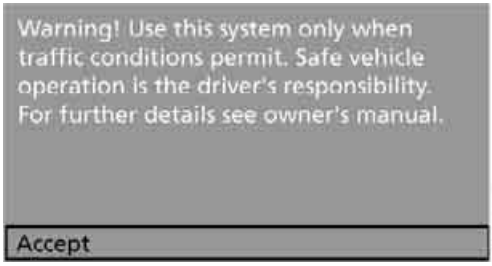
- Air distribution
- Seat air conditioning*
- Automatic program
- Parked car ventilation

i menu

- Switching off Control Display
- Tone and display settings
- Settings for your vehicle, e.g. for MDrive, or for the central locking system
- Display of service requirements and dates for statutory emission and vehicle inspections
- Settings for telephone

Operating principle

From radio readiness, refer to page 53, the following message is shown on the Control Display:


Warning! Use this system only when traffic conditions permit. Safe vehicle operation is the driver's responsibility. For further details see owner's manual.
Accept

To clear the message:
Press the controller.
This displays the start menu.

On vehicles with a single drive, the message automatically disappears after approx. 10 seconds.

Start menu

You can call up all the functions of iDrive using five menu items.

Opening start menu

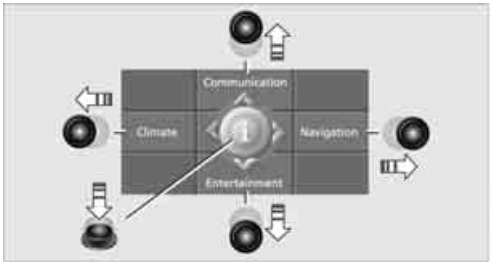
Press the **MENU** button.

To open the start menu from the i menu:

Press the **MENU** button twice.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Opening menu items of start menu



With the start menu you can open the menu items Communication, Navigation, Entertainment and Climate by moving the controller to the left, right, front or rear.

You can open the i menu by pressing the controller.

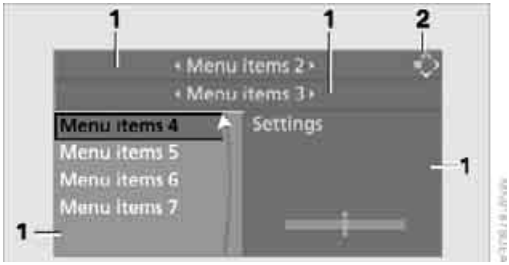
Comfort opening of menu items

Comfort opening offers you:

- Opening of a menu item of the start menu in the last display shown
- Direct switching between Communication, Navigation, Entertainment and Climate without pressing the **MENU** button

For this purpose, move the controller in the corresponding direction and hold it for longer than approx. 2 seconds.

Displays in menu



1 Each menu is divided into fields.
The respective active field is highlighted.

2 A symbol indicates the last selected menu item of the start menu:

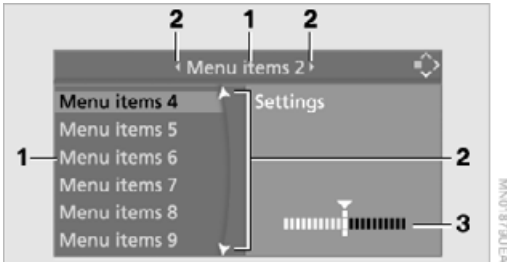
Communication

Navigation or onboard information

Entertainment

Climate

i menu



1 Menu items are usually grouped in horizontal or vertical lists.

2 In these lists, arrows indicate the possibility of accessing other menu items that are not currently visible.

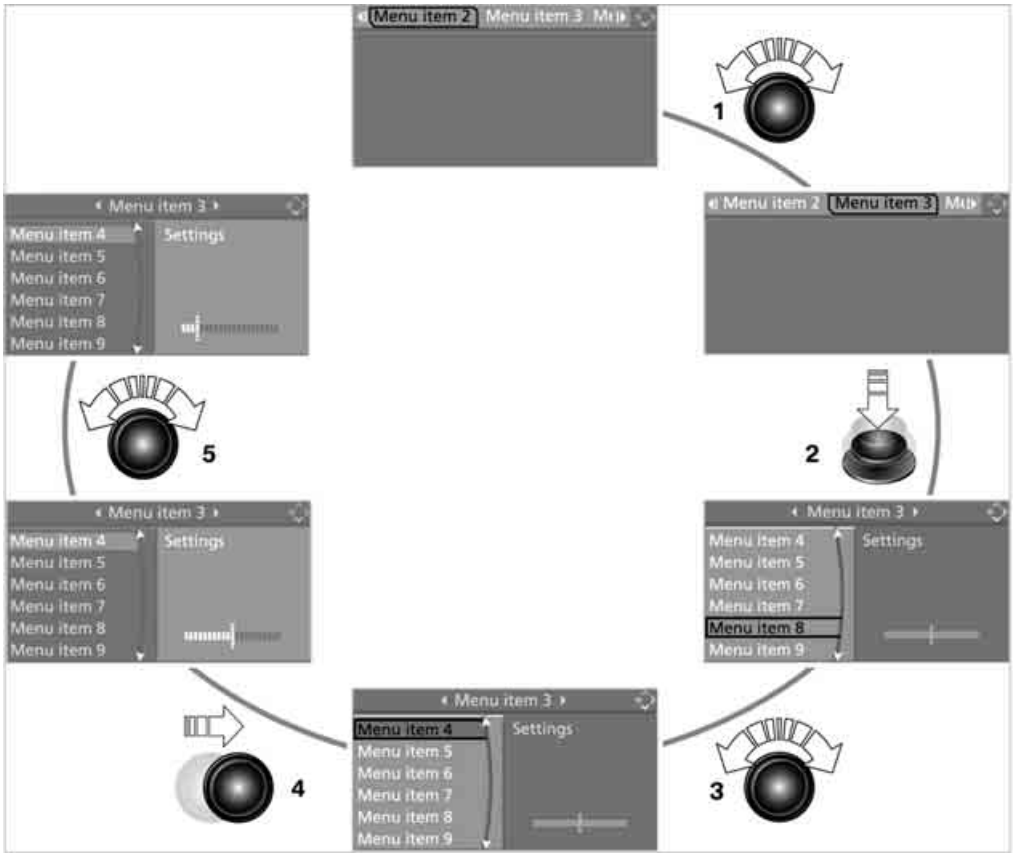
3 Settings are displayed graphically or numerically.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Operating principle at a glance

Basic operation via iDrive is described in this view.

You can view the individual steps under Settings on Control Display, Setting time, refer to page 71.



1 Selecting menu item:
- Turn the controller; the highlight moves
- Menu items shown in white can be selected by highlighting

2 Activating menu item:
- Press the controller
- New menu items are displayed or the function is carried out

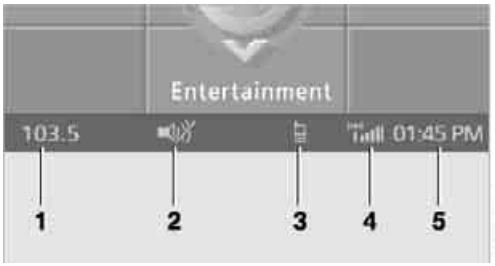
3 Selecting menu item: refer to 1

4 Changing between fields:
- Briefly move the controller left, right, forward or back
- Release controller
- Active field appears lighter

5 Adjusting settings:
- Turn controller
- Graphic display, numerical value or text displays can be changed
- Acknowledgment by changing field

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Status information



1 Display for:

- Entertainment:
  Radio, CD
- Telephone* in "Communication":
  Name of linked mobile phone, network search or no network
- "BMW Assist"*:
  Existing voice connection with a service from BMW Assist

2 Entertainment sound output off

3 Display for:

- New entries present in "Missed calls"*
- Roaming active

4 Telephoning* possible if the mobile phone is logged-on in the vehicle
Mobile phone network with strong reception, display dependent on mobile phone

5 Time

Other displays:
The status information is temporarily hidden when there are Check Control instructions or inputs via the voice command system*.

Assistance window*

Additional information can be displayed in the assistance window:

- The computer or the trip computer
- The arrow or map view with a navigation system*
- The current position

Selecting display

1. Move the controller to the right to change to the assistance window and press the controller.

2. Select a menu item.
3. Press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

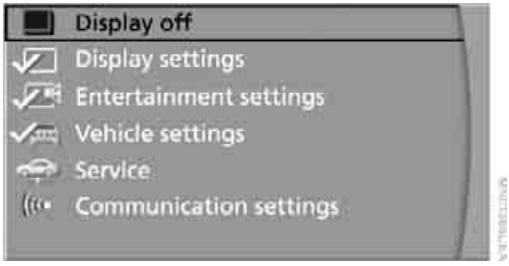
Switching assistance window off/on

1. Move the controller to the right to change to the assistance window and press the controller.
2. Select "Assist. window off" and press the controller.

To switch on, change to the assistance window and press the controller.

Switching Control Display off/on

1. Press the **MENU** button.
   This opens the start menu.
2. Press the controller to open the **i** menu.
3. Select "Display off" and press the controller.



To switch on, press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Voice command system*

The concept

The voice command system allows you to control operation of various vehicle systems without ever removing your hands from the steering wheel.

Individual menu items on the Control Display can be spoken as commands. This frees you of having to use the controller.

The voice command system transforms your oral commands into control signals for the selected systems and provides support in the form of instructions or questions.

The voice command system uses a special microphone located in the area of the interior rearview mirror, refer to page 14.

Precondition

Via iDrive, set the language that applies for the voice command system in order to enable identification of the spoken commands. To set the language of iDrive, refer to page 72.

Symbols in Owner's Manual

›...‹ Say the specified commands word for word.
››...‹‹ Indicates responses of the voice command system.

Voice commands

Activating voice command system

1. Press the button.

This symbol on the Control Display and an acoustic signal tell you that the voice command system can respond to commands.

2. Say the command.
The command is displayed on the Control Display.

This symbol is shown on the Control Display when you can input additional commands.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

If no other commands are possible, then operate the equipment using iDrive.

Terminating or canceling voice command system

Press the button on the steering wheel or in the center console
or

›Cancel‹

Commands

Having possible commands read aloud

You can have the system read aloud the possible commands related to the selected menu item on the Control Display.
To have the system list the possible commands:

›Options‹

For example, if you have selected "CD", the system will read aloud the possible commands for operating the CD player and the CD changer*.

Opening help

›Help‹

Using alternative commands

There are often a number of commands to run a function, e.g.:

›Radio on‹ or ›Turn radio on‹

Running functions directly with short commands

With short commands you can carry out certain functions directly, regardless of which menu item is selected, refer to page 205.

Opening start menu

›Main menu‹

Example: selecting a track

1. Switch on Entertainment sound output if necessary.
2. Press the button on the steering wheel or in the center console.
3. ›Entertainment‹
   The system says:
   ››Entertainment‹‹

4. ›CD‹
   The system says:
   ››CD drive switched on‹‹

5. Press the button on the steering wheel or in the center console.
6. Select track, e.g.:
   ›Track 1‹
   The system says:
   ››Track 1‹‹

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Notes

The mobile phone can also be operated with voice commands, refer to page 163.◀

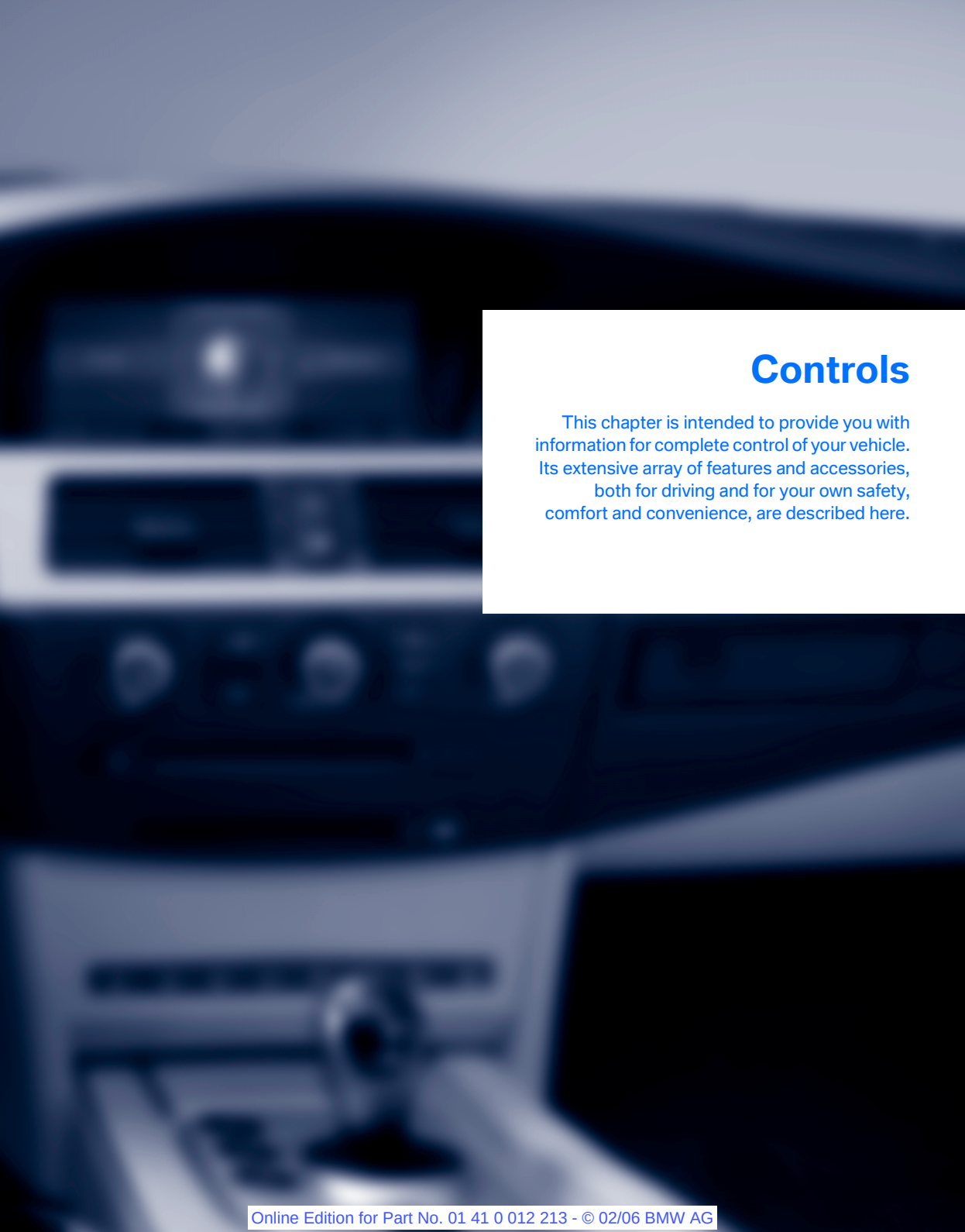
For voice commands, bear the following in mind:

- Say the commands and numbers smoothly and at normal volume, avoiding excessive emphasis and pauses. This also applies to spelling when entering the destination.
- Always issue commands in the language of the voice command system.
- When selecting a radio station, use the common pronunciation of the station name.
- For entries in the voice-activated phone book, only use names in the language of the voice command system and no abbreviations.
- Keep the doors, windows and glass sunroof* closed to prevent interference from ambient noise.
- Avoid making other noise in the vehicle while speaking.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG



Controls

This chapter is intended to provide you with information for complete control of your vehicle. Its extensive array of features and accessories, both for driving and for your own safety, comfort and convenience, are described here.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Opening and closing

Keys/remote control

1 Remote control with integrated key

2 Spare key

3 Adapter for spare key, in glove compartment

Remote control with integrated key

Each remote control contains a battery which is automatically charged in the ignition lock while driving. Drive a longer distance with each remote control at least twice a year to keep the battery charged. For comfort access*, the remote control contains a replaceable battery, refer to page 37.

Depending on which remote control is detected by the vehicle during unlocking, different settings are called up and carried out in the vehicle, refer to Personal Profile, page 29.

Information on the required maintenance is also stored in the remote control, refer to Service data in remote control, page 186.

Integrated key

Press the button **1** to unlock the key.

The integrated key fits the following locks:

- Glove compartment, refer to page 95
- Driver's door, refer to page 32

New remote controls

To obtain additional or replace lost keys, new remote controls with an integrated key are available at your BMW center.

Spare key

Store the spare key in a safe place such as your wallet. This key is not intended for regular use.

The spare key and integrated key fit the same locks.

Adapter for spare key

The adapter is required so that the vehicle can be started with the spare key or radio readiness can be switched on.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Remove the adapter from the holder in the glove compartment and slide the spare key into the adapter before use.

Personal Profile

The concept

You can set a number of functions of your BMW individually according to your preferences. Personal Profile ensures that most of these settings are stored for the remote control currently in use without you having to do anything. When the vehicle is unlocked, the corresponding remote control is detected and the settings stored for it are called up and carried out.

This means that you will always find your BMW set to your own personal settings even if another person with his/her own remote control and settings has used the vehicle since the last time you drove it. The individual settings are stored for a maximum of four remote controls.

Personal Profile settings

Details on the settings are provided on the specified pages.

- When unlocking with the remote control, either unlock only the driver's door or the entire vehicle, refer to page 30
- Locking the vehicle after a short time or after starting off, refer to page 32
- Assigning the programmable button on the steering wheel, refer to page 47
- Individual settings for MDrive, refer to page 48
- Settings for the display on the Control Display:
  - Brightness of the Control Display, refer to page 72
  - Measuring units for consumption, route/distances, temperature, and pressure, refer to page 72
  - Language on Control Display, refer to page 72
  - 12h/24h mode of the clock, refer to page 71
  - Date format, refer to page 72
- Drivelogic driving program in the Sequential mode, refer to page 57
- Showing optical warning for PDC Park Distance Control*, refer to page 73
- Selection and brightness of display in Head-Up Display*, refer to page 80
- Air distribution, temperature in the upper body area and intensity of the automatic air conditioning system, refer to page 88
- Setting voice instructions for destination guidance in the navigation system*, refer to page 127

In addition, the following, most recently selected settings are recalled during unlocking:

- Positions of driver's seat, outside mirrors, and steering wheel*, refer to page 42
- Audio sources, volume and tone settings, refer to page 133
- Radio, displaying stored stations, refer to page 136
- Telephone, setting volume, refer to pages 158, 164

Central locking system

The concept

The central locking system is ready for operation whenever the driver's door is closed.

The system simultaneously engages and releases the locks on the following:

- Doors

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

- Luggage compartment lid
- Fuel filler door

Operating from outside

- via the remote control
- via the door lock
- with comfort access* via the door handles

At the same time, the anti-theft system is also operated. It prevents the doors from being unlocked using the lock buttons or door handles. The interior lamps and the courtesy lamps are also switched on and off with the remote control. The alarm system is armed/disarmed at the same time.
You can find more detailed information on the alarm system on page 34.

Operating from inside

Via the button for central locking, refer to page 32. The fuel filler door is not locked.

In an accident of sufficient severity, the central locking system automatically unlocks the vehicle. In addition, the hazard warning flashers and interior lamps come on.

Opening and closing: from outside

Using remote control

Because any persons or animals left unattended in a parked vehicle could lock the doors from the inside, you should always keep the remote control with you; this precaution ensures that you will remain able to unlock the vehicle from the outside at all times.◀

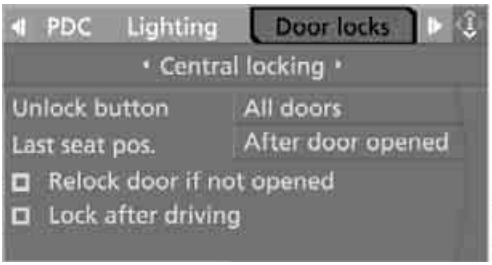
Unlocking

Press the button.
This unlocks the vehicle.

You can set how the vehicle is unlocked. The setting is stored for the remote control currently in use.

iDrive, for explanation of principle, refer to page 16.

1. Press the MENU button.
   This opens the start menu.
2. Press the controller to open the i menu.
3. Select "Vehicle settings" and press the controller.
4. Select "Door locks" and press the controller.



5. Select "Central locking" and press the controller.
6. Select "Unlock button" and press the controller.
7. Select a menu item:
   - "All doors"
     Press the button once to unlock the entire vehicle.
   - "Driver's door only"
     Press the button once to unlock only the driver's door and the fuel filler door. Press the button twice to unlock the entire vehicle.

8. Press the controller.

Convenience opening

Press the button longer. The windows and the glass sunroof* open.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Locking

Press the LOCK button.

Switching on interior lamps

With vehicle locked:
Press the LOCK button.
You can also use this function to locate your vehicle in parking garages etc.

Panic mode*

You can also trigger the alarm system in case of danger:

Press the button for at least 3 seconds.

Switch off alarm: press any button.

Opening luggage compartment lid

Press the button for approx. 1 second.

The luggage compartment lid opens, regardless of whether it was previously locked or unlocked.

During opening, the luggage compartment lid pivots back and up. Ensure that adequate clearance is available before opening. To prevent accidentally locking yourself out, never lay the remote control in the luggage compartment. A previously locked luggage compartment lid is also locked again after closing.◀

Setting confirmation signals

You can vary or also deactivate the confirmation signals for locking or unlocking.

1. Open the start menu.
2. Press the controller to open the i menu.
3. Select "Vehicle settings" and press the controller.
4. Select "Door locks" and press the controller.
5. Select "Confirmation" and press the controller.

6. Select the desired signal.
7. Press the controller.
   The signal is activated.

Malfunctions

The remote control may malfunction due to local radio waves. Should the remote control fail to operate owing to interference of this kind, unlock and lock the vehicle via the door lock using a key.

If it is no longer possible to lock the vehicle using the remote control, then the battery is discharged. Use this remote control during an extended drive; this will recharge the battery, refer to page 28.

For US owners only

The transmitter and receiver units comply with part 15 of the FCC/Federal Communication Commission regulations. Operation is governed by the following:

FCC ID:
LX8766S
LX8766E
LX8CAS
LX8CAS2

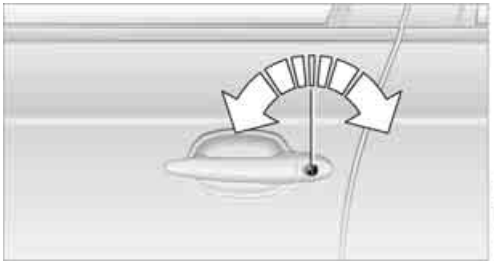
Compliance statement:
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- This device must not cause harmful interference, and
- this device must accept any interference received, including interference that may cause undesired operation.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Any unauthorized modifications or changes to these devices could void the user's authority to operate this equipment.◀

Using door lock



When unlocking

1. Turning the key once unlocks the driver's door and the fuel filler door.
2. Turning the key a second time unlocks the remaining doors and the luggage compartment lid.

Convenience operation

You also have the option of operating the windows and the glass sunroof* from the driver's door lock.

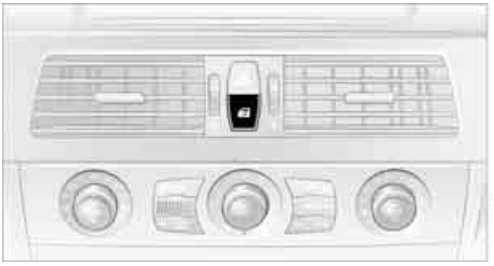
Turn and hold the key in the positions for unlocking or locking.

Watch during the closing process to be sure that no one is injured. Releasing the key stops the operation.◀

Manual operation

In the event of an electrical malfunction, you can turn a key all the way to the right or left in the door lock to lock or unlock the driver's door.

Opening and closing: from inside



This button serves to unlock or lock doors and the luggage compartment lid with the front doors closed, but does not activate the anti-theft system. The fuel filler door remains unlocked.

You can also set the situations in which the vehicle is locked.

iDrive, for explanation of principle, refer to page 16.

1. Press the **MENU** button.
   This opens the start menu.
2. Press the controller to open the i menu.
3. Select "Vehicle settings" and press the controller.
4. Select "Door locks" and press the controller.
5. Select "Central locking" and press the controller.

6. Select a menu item:
   ▷ "Relock door if not opened"
   The central locking system automatically locks the vehicle after a short time when no door has been opened.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

▷ "Lock after driving"
The central locking system automatically locks the vehicle as soon as you start to drive.

7. Press the controller.
The setting is selected.

The setting is stored for the remote control currently in use.

Unlocking and opening doors

▷ Either unlock the doors together with the button for the central locking system and then pull the door handle above the armrest or

▷ pull on the door handle of each door twice: the first time unlocks the door, the second time opens it.

Locking

▷ Use the central locking button to lock all of the doors simultaneously, or

▷ press down the lock button of a door. To prevent you from being locked out, the open driver's door cannot be locked using the lock button.

Because any persons or animals left unattended in a parked vehicle could lock the doors from the inside, you should always keep the remote control with you; this precaution ensures that you will remain able to unlock the vehicle from the outside at all times.◀

Doors

Automatic soft closing*

To close the doors, merely press it closed gently. The closing process will then be carried out automatically.

Make sure that the closing path of the doors is clear; as otherwise injuries may result.◀

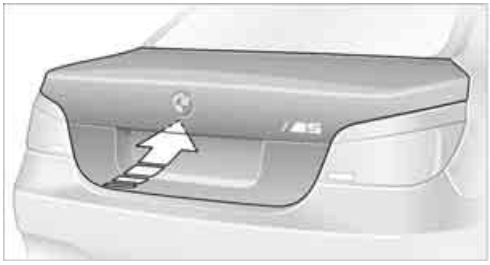
Luggage compartment lid

During opening, the luggage compartment lid pivots back and up. Ensure that adequate clearance is available before opening.◀

Opening from inside

Press the button: the luggage compartment lid opens.

Opening from outside



Press the button on the luggage compartment lid or the button on the remote control for approx. 1 second: the luggage compartment lid opens.

Closing

Make sure that the closing path of the luggage compartment lid is clear, otherwise injuries may result.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

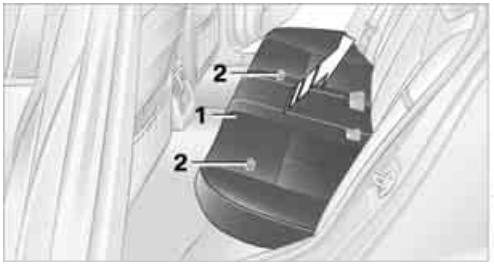
The handle recesses on the interior trim of the luggage compartment lid make it easier to pull down.

Emergency release

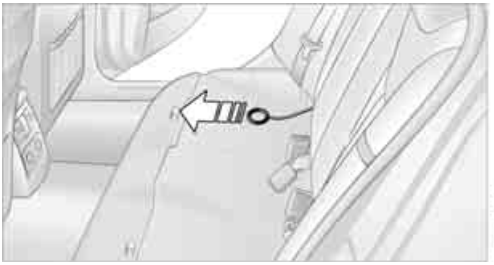
Pull lever in luggage compartment. The luggage compartment lid is unlocked.

Manual release

If an electrical malfunction should occur, you can unlock the luggage compartment lid manually.

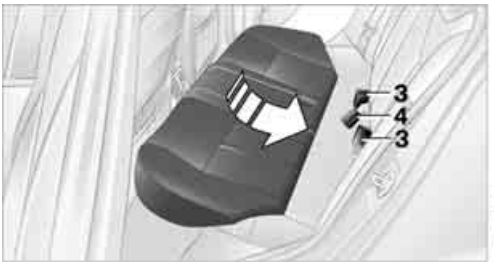


1. Grasp the rear seat **1** at the front edge and remove from the mounts **2**. Take out the rear seat.



2. Pull the ring. The luggage compartment lid is unlocked and opens.

   Only grasp the emergency release by the ring, otherwise injuries can occur.◀



Reinstalling rear seat:

1. Position the rear seat in the vehicle. Guide the two outer belt buckles **3** through the seat bench and slide the seat bench completely under the backrest. The middle belt buckle **4** must be guided between the seat bench and the backrest when doing so.

   Do not twist the center belt buckle, as otherwise correct operation of this safety equipment is not ensured.◀
2. Press the rear seat downward into the mounts at the front until it audibly engages.

Alarm system

The concept

The vehicle alarm system responds:

- When a door, the hood, or the luggage compartment lid is opened
- To movements in the vehicle: interior motion sensor, refer to page 35

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

- To changes in the vehicle's tilt if someone attempts to steal the wheels or tow the vehicle
- To interruptions in battery voltage

Unauthorized operations are briefly signaled by the alarm system:

- with an acoustic alarm
- by switching on the hazard warning flashers
- by flashing the high beams

Arming and disarming alarm system

When you lock or unlock the vehicle, either with the remote control or at the door lock, the alarm system is armed or disarmed at the same time.

The luggage compartment lid can also be opened with the system armed with the button on the remote control, refer to page 33. When the luggage compartment lid is closed, it is locked and monitored again.

Switching off alarm

- Unlock the vehicle using the remote control, refer to page 30.
- Insert the remote control all the way into the ignition lock.

Indicator lamp displays

- The indicator lamp under the inside rear-view mirror flashes continuously: the system is armed.
- The indicator lamp flashes after locking: the doors, hood or luggage compartment lid are not properly closed. Even if you do not close the alerted area, the system begins to monitor the remaining areas, and the indicator lamp flashes continuously after approx. 10 seconds. However, the interior motion sensor is not activated.
- The indicator lamp goes out after unlocking: your vehicle has not been disturbed while you were away.
- The indicator lamp flashes after unlocking until the remote control is inserted into the ignition lock, however for a maximum of approx. 5 minutes: your vehicle has been disturbed while you were away.

Tilt alarm sensor

The tilt of the vehicle is monitored. The alarm system reacts, e.g. in case of an attempted wheel theft or towing.

Interior motion sensor

In order for the interior motion sensor to function properly, the windows and glass sunroof* must be completely closed.

Avoiding unintentional alarms

The tilt alarm sensor and interior motion sensor may be switched off at the same time. This prevents unintentional alarms, e.g. in the following situations:

- In stacking garages
- When transporting on car-carrying trains
- When animals are to remain in the vehicle

Switching off tilt alarm sensor and interior motion sensor

Press the LOCK button on the remote control again as soon as the vehicle is locked.

The indicator lamp lights up briefly and then flashes continuously. The tilt alarm sensor and the interior motion sensor are switched off until the next time the vehicle is unlocked and subsequently locked again.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Comfort access*

Comfort access enables you to access your vehicle without having to hold the remote control in your hand. It is sufficient to carry the remote control with you, e.g. in your jacket pocket. The vehicle automatically detects the related remote control in the immediate vicinity or in the interior.

Comfort access supports the following functions:

- Unlocking/locking vehicle
- Comfort locking
- Opening luggage compartment lid separately
- Starting engine

Functional requirement

- The vehicle or the luggage compartment lid can only be locked if the vehicle detects that the remote control you are carrying is outside the vehicle.
- The next unlocking and locking cycle is not possible until after approx. 2 seconds.
- The engine can only be started if the vehicle detects that the remote control is located in the vehicle.

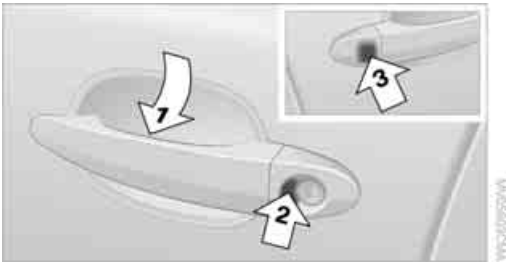
Comparison with ordinary remote control

You can control the functions mentioned previously with the comfort access or by pressing the buttons on the remote control. Therefore, please familiarize yourself with the information on opening and closing beginning on page 28 beforehand.

The special features when using comfort access are described in the following.

Should a short delay occur when opening or closing the windows or the glass sunroof, the system is checking whether a remote control is located in the vehicle. Please repeat opening or closing if necessary.◀

Releasing



Completely grasp a door handle, arrow **1**. This corresponds to pressing the button.

If a remote control is detected in the interior after unlocking, the electric steering-wheel lock unlocks, refer to page 53.

Locking

- For the driver's door, touch the area highlighted in the picture, arrow **2**, with your finger for approx. 1 second.
- For the remaining doors, touch the area highlighted in the picture, arrow **3**, with your finger for approx. 1 second.

This corresponds to pressing the LOCK button.

Please make sure that the ignition and all current consumers are switched off before locking to save the battery.◀

Comfort locking

Hold a finger or the back of the hand on the surface, arrow **2** or **3**.

The windows and the glass sunroof* are closed.

Watch during the closing process to be sure that no one is injured. Removing the hand from the door handle stops the closing process immediately.◀

Opening luggage compartment lid separately

Press the button on the luggage compartment lid. This corresponds to pressing the button.

If a remote control accidentally left in the luggage compartment is detected in the

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

locked vehicle after closing the luggage compartment lid, the lid opens again. The hazard warning flashers flash and a signal* sounds.◀

Switching on radio readiness

By briefly pressing the Start/Stop button, you switch on the radio readiness, refer to page 53.

When doing so, do not depress the brake pedal, otherwise the engine will start.◀

Starting engine

You can start the engine or switch on the switch on ignition if a remote control is located in the interior of the vehicle. It need not be inserted in the ignition lock, refer to page 53.

If you take the remote control with you when leaving the vehicle with the engine running, a warning lamp lights up. In addition, a message appears on the Control Display. As long as no remote control is detected in the vehicle, it is only possible to restart the engine within approx. 10 seconds after it is switched off.

Malfunction

The comfort access function may malfunction due to local radio waves. Then open or close the vehicle with the buttons on the remote control or with a key. To start the engine following this, insert the remote control in the ignition lock.

Replacing battery

The remote control for comfort access contains a battery which must be replaced if necessary.

1. Remove integrated key from remote control, refer to page 28.
2. Remove cover.

3. Lay in new battery with positive side facing upward.
4. Press cover closed.

Return used battery to a recycling collection point or to your BMW center.◀

Windows

To prevent injuries, exercise care when closing the windows and keep them in your field of vision until they are shut.
Always take along the remote control when you leave the vehicle, otherwise children could, for example, operate the windows and injure themselves.◀

Opening, closing

- Press switch to resistance point:
  The window continues to open as long as you keep the switch pressed.
- Press switch beyond resistance point:
  The window opens automatically. Pressing the switch again stops the opening movement.

You can close the windows in the same manner by pulling the switch.

Separate switches for the rear windows are located in the rear.

For information on using the convenience operation at the door lock or with the remote control, refer to page 30 or 32.

For information on comfort closing with comfort access, refer to page 36.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

After switching off ignition

You can still operate the windows with the remote control removed or the ignition switched off for approx. 1 minute, as long as neither of the front doors has been opened.

Pinch protection system

If the closing force rises beyond a predefined threshold during closing, the system will immediately stop moving the window prior to lowering it slightly.

Despite the pinch protection system, inspect the window's travel path prior to closing it, as the safety system might fail to detect certain kinds of obstructions, such as thin objects, and the window would continue closing.

Pulling the switch beyond the resistance point and holding it limits the response of the pinch protection system. In this case, if the closing force exceeds a defined threshold, the window will only open a little.

If the switch is pulled past the resistance point again within approx. 4 seconds, the pinch protection system will be deactivated.

Do not install any accessories in the range of movement of the windows, as otherwise the pinch protection system will be impaired.◀

Safety switch

With the safety switch, you can prevent the rear windows from being opened or closed via the switches in the rear passenger area, by children, for example. The LED lights up when this safety feature is activated.

Always press the safety switch when children ride in the rear, otherwise unchecked closing of the windows could lead to injinjuries.◀

Glass sunroof*, electric

The glass sunroof is ready for operation with the ignition switched on, refer to page 53.

To prevent injuries, exercise care when closing the glass sunroof and keep it in your field of vision until it is closed.

Always take along the remote control when you leave the vehicle, otherwise children could, for example, operate the roof and injure themselves.◀

Raising

Press switch.

- ▷ The closed glass sunroof is raised and the sliding visor opens slightly.
- ▷ The opened glass sunroof automatically moves into the raised position. The sliding visor remains completely open.

Do not use force to close the headliner insert with the glass sunroof in its raised position, otherwise the mechanism will be damaged.◀

Opening, closing

- ▷ Press switch back to the resistance point. The glass sunroof and the sliding visor open together for as long as you hold the switch in this position.
- ▷ Press switch back past the resistance point. The glass sunroof and the sliding visor open automatically. Briefly press the switch again to stop the opening movement.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

In a similar manner, the glass sunroof closes when you slide the switch forward. The sliding visor remains open and can be closed by hand.

For information on using the convenience operation at the door lock or with the remote control, refer to page 30 or 32.

For information on comfort closing with comfort access, refer to page 36.

Automatic opening and closing

Press the switch past the resistance point.

The following movements are also automatic:

- When the sunroof is open, press the switch in the lifting direction: the sunroof is raised all the way.
- When the sunroof is raised, press the switch in the opening direction: the sunroof is opened all the way.

Pressing the switch again stops the motion.

Pinch protection system

If the glass sunroof encounters resistance when closing from roughly the center of the roof opening or when closing from the raised position, the closing action is interrupted and the glass sunroof reopens a short way.

Despite the pinch protection system, inspect the sunroof's travel path prior to closing it, as the safety system might fail to detect certain kinds of obstructions, such as very thin objects, and the sunroof would continue closing.
Pressing the switch beyond the resistance point and holding it there deactivates the pinch protection system.◀

Following interruptions in electrical power supply

After a power loss, the sunroof may only respond to the lift command. The system must be initialized. BMW recommends having this work done by your BMW center.

Moving manually

In the event of an electrical malfunction, you can move the glass sunroof manually:

1. Fold the cover panel down, if necessary using a screwdriver from the onboard tool kit, refer to page 188.

2. Insert the Allen wrench supplied with the onboard tool kit, refer to page 188, into the opening provided. Move the glass sunroof in the desired direction. The arrow below indicates the rotation direction for closing.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Adjustments

Sitting safely

The ideal sitting position can make a vital contribution to relaxed, fatigue-free driving. In the interaction with the safety belts, the head restraints and the airbags, the seat position plays an important role in an accident. To ensure that the safety systems operate with optimal efficiency, we strongly urge you to observe the instructions contained in the following section.

For additional information on transporting children safely, refer to page 50.

Airbags

Always maintain an adequate distance between yourself and the airbags. Always hold the steering wheel by its rim with hands at the 9 o'clock and 3 o'clock positions, to minimize the risk of injuries to your hands and arms in the event of airbag deployment.
No one and nothing is to come between the airbags and the seat occupant.
Do not use the cover of the front airbag on the front passenger side as a storage area. Make sure that the front passenger is sitting correctly and does not rest feet or legs on the instrument panel, otherwise leg injuries can occur if the front airbag is triggered.
Make sure that occupants do not rest their head on the side or head airbag, otherwise injuries can occur if the airbags are triggered.◀

Even if you adhere to all the instructions, injuries resulting from contact with airbags cannot be fully excluded, depending on the circumstances. The ignition and inflation noise may provoke a mild hearing loss in extremely sensitive individuals. This effect is usually only temporary.

For airbag locations and additional information on airbags, refer to page 78.

Head restraints

A correctly adjusted head restraint reduces the risk of spinal injury in the event of an accident.

Adjust the head restraint so that its center is approx. at ear level. Otherwise there is increased danger of injury in the event of an accident.◀

Head restraints, refer to page 43.

Safety belts

Before every drive, make sure that safety belts are being worn at all of the occupied seats. Airbags complement the safety belt as an additional safety device, but they do not represent a substitute.

Your vehicle is provided with five seats, which are all equipped with a safety belt.

Never allow more than one person to wear a single safety belt. Never allow infants or small children to ride in a passenger's lap. Make sure that the belt lies low around the hips in the lap area and does not press on the abdomen. The safety belt may not lie across the neck, rub on sharp edges, be routed over solid or breakable objects or be pinched. Wear the safety belt without twisting, snugly across the lap and shoulders, as close to the body as possible. Otherwise the belt can slip over the hips in the lap area in a frontal impact and injure the abdomen. Avoid wearing clothing that prevents the belt from fitting properly and pull the belt in the upper body area periodically to readjust the tension, in order to avoid a reduction in the restraint of the safety belt.◀

Safety belts, refer to page 44.

Seats

Note before adjusting

Never attempt to adjust your seat while the vehicle is moving. The seat could respond with unexpected movement, and the

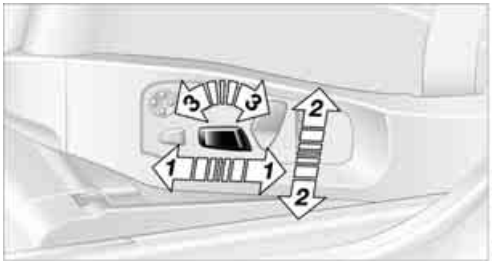
Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

ensuing loss of vehicle control could lead to an accident.
Also on the passenger side, do not incline the backrest too far to the rear while the vehicle is being driven, otherwise there is a danger in the event of an accident of sliding under the safety belt, eliminating the protection normally provided by the belt.◀

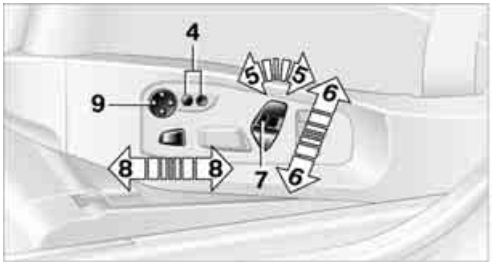
Please observe the information on damage to safety belts provided on page 44 and the information on the active front head restraints* on page 43.

Seat adjustment

To ensure that the safety systems continue to provide optimized protection, please observe the adjustment instructions on page 40.◀



1 Longitudinal direction
2 Height
3 Angle



4 Backrest width
5 Backrest
6 Head restraint height
7 Shoulder support*
8 Thigh support
9 Lumbar support*

Shoulder support: the adjustable upper backrest also supports the back in the shoulder region. This provides a relaxed driving position and helps relieve stress on the shoulder muscles.

Adjusting lumbar support*

You can also adjust the contour of the backrest to obtain additional support in the lumbar region.

The upper hips and spinal column receive supplementary support to help you maintain a relaxed, upright sitting position.

- ▷ Increase or decrease curvature: push switch forward or back.
- ▷ Shift curvature up or down: push switch up or down.

Adjusting active backrest width*

First set a comfortable backrest width, see above. Based on the backrest width set, the lateral support is automatically adapted to the current driving situation.

The adaptation of the backrest width and the speed of the adjustment vary depending on the program. You can select from among three programs from comfort to sport. The "Sport" pro-

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

gram provides increased lateral support on both sides when driving through a quick succession of alternating curves.

Press program button once:

- "Comfort" program: one LED
- "Normal" program: two LEDs
- "Sport" program: three LEDs

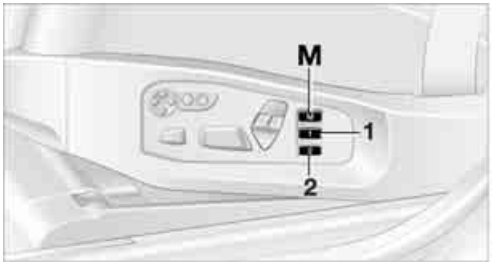
To switch off: press button longer.

You can also activate your preferred program for the active backrest width adjustment of the driver's seat with the button on the steering wheel, refer to MDrive on page 48.

Easy entry/exit*

To facilitate entry and exit, the backrest width temporarily opens all the way.

Seat, mirror and steering wheel memory



You can store and request two different positions for the driver's seat and passenger seat*, external rearview mirrors, and steering wheel.

The adjustment of the lumbar support is not stored in the memory.

Storing

1. Switch on radio readiness or ignition, refer to page 53.
2. Set the desired seat, exterior mirror and steering wheel positions.
3. Press the M button:
   The LED in the button lights up.
4. Press the desired memory button **1** or **2**:
   The LED goes out.

Requesting

Do not request a position from the memory while the vehicle is moving. There is a risk of accident from unexpected movement of the seat or steering wheel.◀

Convenience mode

1. Open the driver's door after unlocking or switch on radio readiness.
2. Briefly press the desired memory button **1** or **2**.

   The system immediately cancels the adjustment procedure when you briefly press one of the seat adjustment buttons or one of the memory buttons.

Safety feature

1. Close the driver's door and switch the ignition on or off.
2. Press the desired memory button **1** or **2** and maintain pressure until the adjustment process has been completed.

If the M button was pressed inadvertently: press the button again; the LED goes out.

Activating with remote control

The last positions of the driver's seat, the external rearview mirrors, and steering wheel are stored for the remote key currently in use.

You can choose when the position is requested:

- Request when unlocking vehicle
- Request when opening driver's door

iDrive, for explanation of principle, refer to page 16.

1. Open the start menu.
2. Press the controller to open the i menu.
3. Select "Vehicle settings" and press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

4. Select "Door locks" and press the controller.

5. Select "Central locking" and press the controller.
6. Select "Last seat pos." and press the controller.
7. Select "After unlocking" or "After door opened".

8. Press the controller.

To cancel the request:
Select "Deactivated" and press the controller.

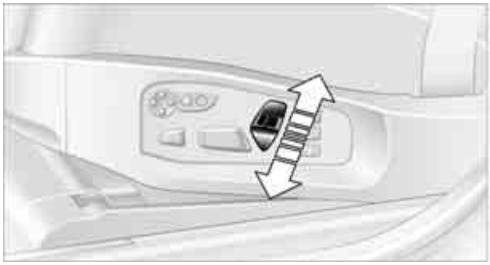
When using this feature, always make sure that the footwell behind the driver's seat is empty and unobstructed. Failure to do so could cause injury to persons or damage to objects behind the seat as a result of a rearward movement of the seat.◀

Head restraints

A correctly adjusted head restraint reduces the risk of spinal injury in the event of an accident.

Adjust the head restraint so that its center is approx. at ear level. Otherwise there is increased danger of injury in the event of an accident.◀

Front seats: height adjustment



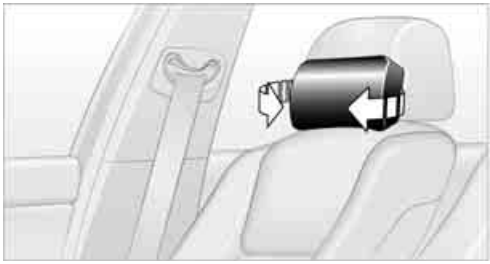
You can adjust the height of the head restraints electrically.

Front seats: angle adjustment

Swivel the head restraint.

The distance to the back of the head is adjusted with the shoulder support*.

Adjusting side extensions*



You can fold the side extensions on the head restraint forward for increased lateral support in the resting position.

Front head restraints, active*

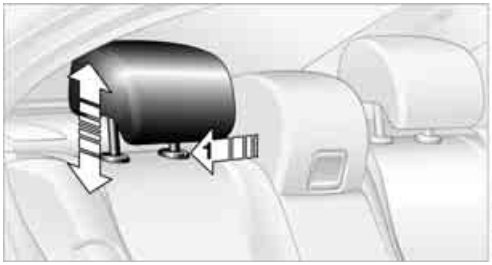
Seats with a shoulder support* are equipped with an active head restraint.

In the event of a rear-end collision of sufficient severity, the active head restraint reduces the distance to the head.

Do not use seat or head restraint covers and do not hand objects, e.g. clothes hangers, on the head restraints or attach any accessories to the seat or head restraint. Otherwise the protective function of the active head restraints will be impaired and personal safety endangered.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Rear seats: height adjustment



- To raise: pull up.
- To lower: press the button, arrow **1**, and push the head restraint downward.

Safety belts

To ensure that the safety systems continue to provide optimized protection, please observe the adjustment instructions on page 40.◀

Before every drive, make sure that safety belts are being worn at all of the occupied seats. Airbags complement the safety belt as an additional safety device, but they do not represent a substitute.

Fastening

Make sure you hear the latch plate engage in the belt buckle.

Safety belt memory for driver's seat and passenger seat*

The indicator lamp lights up and a signal sounds. A message also appears on the Control Display. Please check whether the safety belt is correctly positioned.

The safety belt memory is operative at speeds above approx. 5 mph/8 km/h. It can also be activated if objects are placed on the passenger seat.

Releasing

1. Grasp the belt firmly.
2. Press the red button in the buckle.
3. Guide the belt into its reel.

The shoulder strap's anchorage point will be correct for adult seat occupants of every build if the seat is correctly adjusted, refer to page 40.

The two rear safety belt buckles integrated into the rear seat are for passengers sitting on the left and right. The belt buckle embossed with the word CENTER is intended exclusively for use by passengers riding in the center position.

Damage to safety belts

In the event of loads caused by accidents or other damage: replace the belt system including the safety belt tensioner and any child restraint systems, and have the belt anchor points checked. Only have this work carried out at a BMW center or at a workshop that works according to BMW repair procedures with correspondingly trained personnel. Otherwise correct operation of this safety equipment is not guaranteed.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Heated seats

Front

The temperature setting progresses one step through its control sequence each time you press the button. The maximum temperature is supplied when three LEDs are lit.

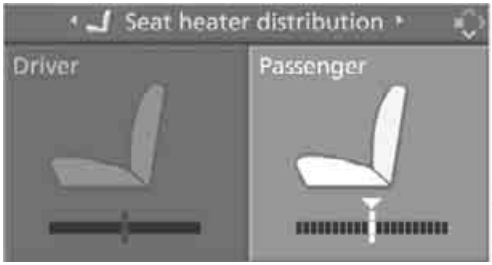
To switch off: press the button longer.

Temperature distribution

The heat output can be distributed variously in the seat cushion and the backrest.

iDrive, for explanation of principle, refer to page 16.

1. Open the start menu.
2. Move the controller to the left to open "Climate".
3. Select "Seat heater distribution" and press the controller.
4. Move the controller to the left or right to select "Driver" or "Passenger".



5. Turn the controller. The adjustment is applied; the field can be changed.

Rear

Operation as for front seat heating; two temperature settings.

Active seat ventilation*

The system progresses one step through the control sequence each time you press the button.

To switch off: press the button longer.

The highest position with three LEDs is used for rapid cooling, e.g. when the vehicle has gotten heated up.◀

Mirrors

Exterior mirrors

The mirror on the passenger's side is more curved than the driver's mirror. Objects reflected in the mirror are closer than they appear. Do not estimate the distance of following traffic based on what you see in the mirrors, otherwise there is an increased accident risk.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

1 Adjustments

2 Switching to the other mirror or to the automatic parking function

3 Folding mirrors in and out*

Storing the mirror positions, refer to Seat, mirror and steering wheel memory on page 42.

Manual adjustment

You can also adjust the mirrors manually by pressing against the outer edges of their mirror glass.

Folding mirrors in and out*

Pressing button **3** allows you to fold mirrors in and out up to a speed of approx. 20 mph/ 30 km/h. This is advantageous, for example, in car washes, narrow streets or for bringing mirrors that have been manually folded-in back into the correct position. Folded-in mirrors automatically fold down at a speed of approx. 25 mph/ 40 km/h.

Before going through a car wash, fold the mirrors inward manually, or with button **3**, otherwise they could be damaged, depending on the width of the car wash system.◀

Automatic heating

Below a certain outdoor temperature, both exterior mirrors are automatically heated when the motor is running or the ignition is switched on.

Tilting down passenger-side exterior mirror – automatic parking function

Activating

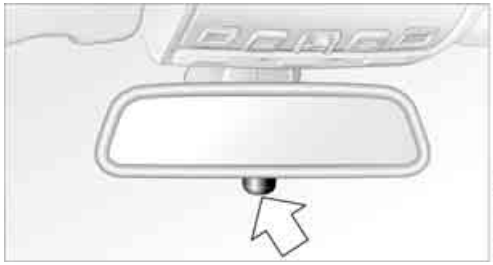
1. Slide switch into the driver's side mirror position, arrow **1**.

2. Engage reverse gear or selector lever position R.
   The mirror glass tilts downward somewhat on the passenger's side. This allows the driver to see the area immediately adjacent to the vehicle – such as a curb – when parking, etc.

Deactivating

Slide switch into the passenger side mirror position, arrow **2**.

Interior rearview mirror



To reduce the dazzle effect of following vehicles at night, turn the knob.

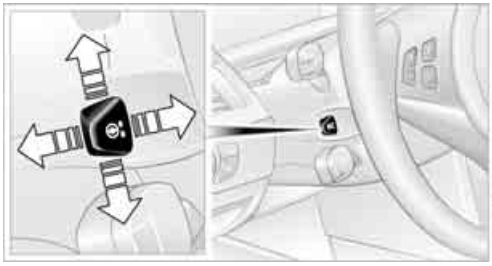
Automatically dimming* mirrors, refer to page 105.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Steering wheel

Adjustments

Do not adjust the steering wheel while the vehicle is moving. There is a risk of accident as the result of unexpected movement.◀



The steering wheel can be adjusted in four directions.

Storing steering wheel positions, refer to Seat, mirror and steering wheel memory on page 42.

Electric steering wheel lock

The steering wheel locks or unlocks automatically when the remote control is removed or inserted, refer to page 53.

Easy entry/exit*

To facilitate entry and exit, the steering wheel temporarily moves into the uppermost position.

Programmable button on steering wheel

You can program the button individually.

The setting is stored for the remote control currently in use.

iDrive, for explanation of principle, refer to page 16.

1. Press the MENU button.
   This opens the start menu.
2. Press the controller to open the i menu.
3. Select "Vehicle settings" and press the controller.
4. Change to upper field if necessary. Turn the controller until "Steering wheel button" is selected and press the controller.

A list of different functions appears:

- ▷ "Navigation voice instructions"
  Voice instructions for the navigation system*
- ▷ "Air recirculation on / off"
  Permanently shutting off outside air, refer to AUC Automatic recirculated air control on page 90
- ▷ "Mute on / off"
  Mutes the audio sources
- ▷ "Monitor on / off"
  Switches the Control Display on/off
- ▷ "Telephone list"*
  Display/hide phone book or last list of stored phone numbers
- ▷ "Next entertainment source"
  Changes audio source

5. Select the desired function and press the controller.

Operating function

Press the button on the steering wheel.

If you have programmed "Navigation voice instructions" for the button:

- ▷ To switch voice instructions on/off:
  Hold the button down.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

▷ To repeat the last voice instruction:
Press the button.

MDrive

With MDrive you can configure several individual settings for your vehicle on the Control Display and activate them simultaneously with the button on the steering wheel.

Configuring settings

With the ignition switched on you can change the settings of MDrive on the Control Display.

iDrive, for explanation of principle, refer to page 16.

1. Press the **MENU** button.
This opens the start menu.

2. Press the controller to open the menu.
3. Select "Vehicle settings" and press the controller.
4. Move the controller forward if necessary so that the marking is located in the upper field. Turn the controller until "MDrive" is selected and press the controller.

The functions contained in MDrive are displayed:

▷ "SMG Drivelogic"
Sequential Manual Transmission with Drivelogic: shifting modes and Drivelogic driving programs, refer to page 57

▷ "EDC"
Programs of the Electronic Damping Control, refer to page 76

▷ "DSC"
Dynamic Stability Control and M Dynamic Mode, refer to page 75

▷ "POWER"
Programs of the M Engine Dynamic Control, refer to page 58

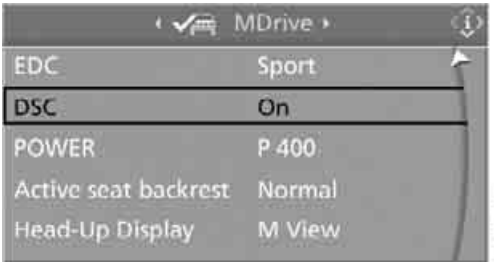
▷ "Active seat backrest"*
Programs of the active backrest width adjustment, refer to page 41

▷ "Head-Up Display"*
Views of the Head-Up Display, refer to page 80

You can reset all settings for MDrive to their default values:

▷ "Reset to default"

5. Select the desired function.



6. Press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

7. Turn the controller to select the desired setting.

"Unchanged" retains the current setting made outside of MDrive.

8. Press the controller.

The setting is stored for the remote control currently in use.

Activating settings

Press the button on the steering wheel.

The indicator lamp in the instrument cluster lights up. The settings made on the Control Display for the functions contained in MDrive are active.

Pressing the button again deactivates MDrive.

If the indicator lamp flashes after pressing the button, MDrive was unable to react, as the ABS Antilock Brake System or DSC Dynamic Stability Control is currently controlling the vehicle stability. Press the button again when the indicator lamp no longer flashes.◀

Even with MDrive activated, you can change individual settings outside MDrive, e.g. with the buttons in the center console. To reactivate all settings made for MDrive on the Control Display: press the button twice.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Transporting children safely

The right place for children

Do not leave children unattended in the vehicle, otherwise they could endanger themselves and other persons, e.g. by opening the doors.◀

Children always in the rear

Accident research shows that the safest place for children is on the back seat.

Children younger than 13 years of age or with a height under 5 ft/150 cm may only be transported in the rear in child restraint systems which correspond to the age, weight and height of the child. Otherwise there is an increased danger of injury in an accident.◀

Children 13 years of age or older must wear a safety belt as soon as a suitable child restraint system can no longer be used due to their age, size and weight.

With the exception of the driver's seat, all seats in your BMW comply with the recommendations of the standard SAE J1819 for the safe securing of child restraint systems in motor vehicles.

Exception for front passenger seat

Should it be necessary to use a child restraint system on the front passenger seat, the front and side airbag on the passenger side must be deactivated. Otherwise, there is an increased risk of injury for the child if the airbags are triggered, even with a child restraint system. Your BMW center will be glad to advise you.◀

For more information on automatic deactivation of the front passenger airbags, refer to page 79.

Installing child restraint systems

Observe the child restraint system manufacturer's instructions for selection, installation and use of the child restraint systems. Otherwise the degree of protection may be reduced.◀

Backrest width on front passenger seat

Before mounting a child restraint system on the front passenger seat, the backrest width adjustment must be open completely. After mounting the child's seat, no memory position may be called up and the active backrest width adjustment must be deactivated, otherwise the stability of the child's seat on the front passenger seat is limited.◀

1. After unlocking the vehicle, place on the front passenger seat and close the door to call up the memory position.
2. Completely open the backrest width adjustment, refer to page 41.
3. Deactivate active backrest width adjustment, refer to page 41.
4. Install child's seat.

Child seat security

All rear safety belts and the safety belt for the front passenger can be locked against pulling out to secure child restraint systems.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

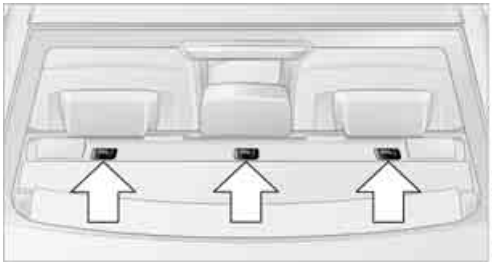
Locking safety belt

1. Secure the child restraint system with the belt.
2. Pull out the belt webbing completely.
3. Allow the belt webbing to be pulled in and pull taut against the child restraint system. The safety belt is locked.

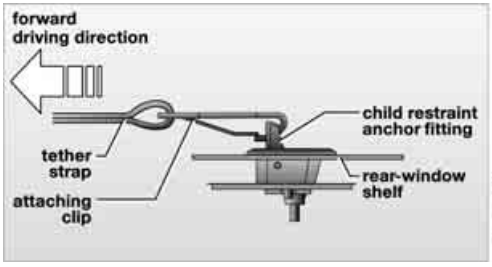
Unlocking safety belt

1. Open the belt buckle.
2. Remove the child restraint system.
3. Allow the belt webbing to be pulled in completely.

Child restraint system with tether strap



There are three additional mounting points for child restraint systems with a tether strap, refer to arrows. Fold the corresponding mounting point upward before using.



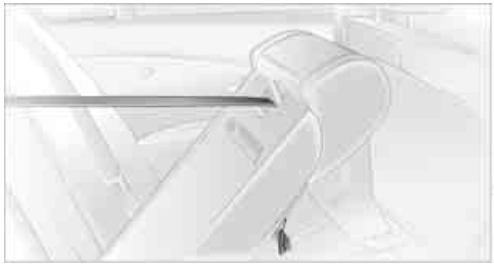
Placement of tether strap

Outer seats:

1. Pull the head restraint upward.
2. Guide the tether strap through the bracket of the head restraint.
3. Slide the head restraint into the bottom position.
4. Hook in the tether strap on the mounting point.

Center seat:

1. Fold the center armrest somewhat toward the front.
2. Guide the tether strap through the opening.



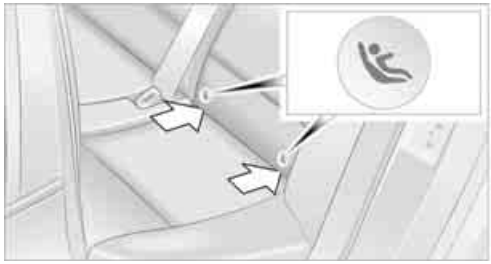
3. Fold back the center armrest.
4. Hook in the tether strap on the mounting point.

LATCH child-restraint fixing system

LATCH: Lower Anchor and Tethers for CHildren.

To attach a LATCH child's seat, follow the operating and safety instructions of the child's seat manufacturer.◀

Rear seats

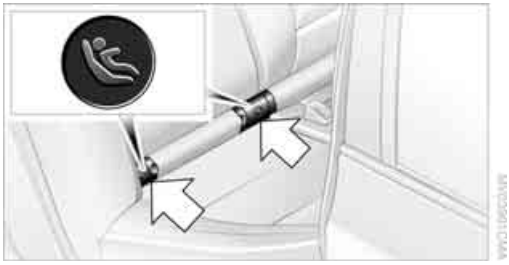


The mountings for the LATCH child's seat fixing system are located at the points marked with the arrows. They are not visible from the outside.

Before attaching the LATCH child's seat, pull the belt away from the region of the child-restraint fixing system.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Rear seats with through-loading system*



The anchorage points for the LATCH child-restraint fixing system are located behind the indicated protective caps. Before attaching the child's seat, remove the protective caps and pull the belt out of the area of the child-restraint fixing system.

On trips

If the vehicle is equipped with rear side airbags, make sure that children do not lean out of the child's seat towards the door panels. Otherwise injuries can be caused if the side airbags are triggered.◀

Child-safety locks for rear doors

Slide down the safety lever on the rear doors: the door can now be opened from the outside only.

Safety switch for power windows

Always press the safety switch for the power windows, refer to page 38, when children are riding in the rear of the vehicle.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Driving

Ignition lock

Insert the remote control as far as possible into the ignition lock.

- Radio readiness switches on.
  Some current consumers are ready for operation.
- The electric steering-wheel lock audibly unlocks.

Before moving the vehicle, insert the remote control into the ignition lock; otherwise, the electric steering-wheel lock will not be unlocked and the vehicle cannot be steered.◀

Removing remote control from ignition lock

Briefly press in the remote control; it is pushed out somewhat.

- The ignition is switched off if it was still switched on.
- The electric steering-wheel lock audibly locks.

Start/Stop button

Briefly pressing the Start/Stop button several times switches the radio readiness or the ignition on and off.

Briefly pressing the Start/Stop button with the brake pedal depressed and the selector lever in position N starts the engine.◀

Radio readiness

Some current consumers are ready for operation. The last information of the computer selected is displayed in the instrument cluster.

Radio readiness is automatically switched off:

- when the remote control is removed from the ignition lock
- with comfort access* by touching the sensitive surface on the door handle, refer to Locking on page 36

Ignition on

All current consumers are ready for operation. The odometer and the trip odometer are displayed in the instrument cluster, refer to page 62.

Please switch off the ignition and the current consumers which are not required when the engine is not running to save the battery.◀

Radio readiness and ignition off

All indicator and warning lamps in the instrument cluster go out.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Starting engine

Do not run the engine in closed rooms, otherwise the inhaling of toxic exhaust gases can cause unconsciousness and death. The exhaust gases contain carbon monoxide, an odorless and colorless, but highly toxic gas. Never leave an unattended vehicle with the engine running, as such a vehicle represents a potential safety hazard.
Before leaving the vehicle with the engine running, move the selector lever into the N position and set the handbrake, otherwise the vehicle can begin to roll.◀

When starting the engine, do not press the accelerator pedal.

Do not allow the engine to warm up by leaving it running while the vehicle remains stationary. Instead, begin to drive immediately at a moderate engine speed.

Do not press the brake pedal as long as you do not want to start the engine. The engine starts immediately when you briefly press the Start/Stop button with the brake pedal depressed.◀

1. Depress brake pedal.
2. Place selector lever in position N.
3. Briefly press Start/Stop button.

The system responds by automatically engaging the starter for a certain period and automatically disengaging it as soon as the engine starts.

If the engine does not start, shift back to the last selector lever position selected, refer to the instrument cluster display or the selector lever. Then select the position N.
You cannot start off with the hood open.
When the engine is cold, the exhaust system has a slightly metallic undertone due to the system design.◀

Avoid frequent starting in quick succession or repeated starting attempts in which the engine does not start. Otherwise, the fuel is not burned or inadequately burned and there is a danger of overheating and damaging the catalytic converter.◀

Special starting conditions

Depress the accelerator pedal half way when starting the engine in the following situations:

- The engine fails to start on the first attempt, e.g. if it is very hot or cold.
- The engine is started at very low temperatures, below approx. +5 °F /–15 °C, at high altitudes, over approx. 3,300 ft/1,000 m.

Switching off engine

Do not remove the remote control from the ignition lock while the vehicle is rolling, otherwise the steering wheel lock would engage while steering.
When leaving the vehicle, always take the remote control with you.
When parking on a downhill incline, apply the handbrake, as otherwise the vehicle could roll away.◀

1. Apply the handbrake.
2. Engage a driving position.
3. Briefly press the Start/Stop button.
   A signal sounds when the position N is engaged and the handbrake is not set when switching off the engine.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Handbrake

The handbrake is primarily intended to prevent the vehicle from rolling while parked; it brakes the rear wheels.

Indicator lamp

The indicator lamp lights up, and a signal also sounds when starting off. The handbrake is applied.

Indicator lamp for Canadian models.

Applying

The lever locks in position automatically.

Releasing

Pull slightly upwards, press the button and lower the lever.

If exceptional circumstances should make it necessary to engage the handbrake while the vehicle is in motion, do not pull it too strongly. In doing so, continuously press the button of the handbrake lever. Otherwise excessive pressure can lead to the rear wheels locking up and loss of traction – fishtailing – at the rear axle.◀

To prevent corrosion and one-sided braking action, occasionally apply the handbrake lightly when the vehicle is slowly coming to a stop if the traffic conditions are suitable. The brake lamps do not light up when the handbrake is applied.◀

Sequential Manual Transmission with Drivelogic

The concept

The SMG Sequential Manual Transmission with Drivelogic is an automated manual transmission in which an electrohydraulic system handles the clutching and gear changes.

The Sequential Manual Transmission is operated with the selector lever and two shift paddles on the steering wheel.

It offers you the following functions:

- Optional manual or automatic operation: Sequential mode or Drive mode
- Selection option between different driving programs, Drivelogic, refer to page 57
- Upshift display, shift lights, refer to page 58
- Automatic downshifting and prevention of incorrect shifting even in Sequential operation
- Automatic double clutching

Selector lever positions

- R: Reverse gear
- N: Neutral
- ●: Drive position:
  - +: manual upshifting
  - –: manual downshifting
  - D/S: switch between Drive mode and Sequential mode

Shiftlock

Press the brake pedal before shifting out of N; the shift command will not be executed unless the brake is applied.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

R Reverse

Select only when the vehicle is stationary.

N Idle

Always engage before starting engine.

If the driving situation requires, e.g. when downshifting on a slippery road surface, the Sequential Manual Transmission automatically clutches and then declutches again, i.e. it is not necessary to engage idling manually.

N is automatically engaged after just a few seconds when you open the driver's door or the hood with the engine running and do not operate either pedals, shift paddles or the selector lever. In these cases, to start off after closing the driver's door or the hood, first move the selector lever into the position N and then into the drive position.◀

S Sequential mode

You can shift up and down using the shifting paddles or the selector lever. You do not need to remove your foot from the accelerator to do so.

After every engine start, as soon as the selector lever is pushed to the right into the drive position ● and the brake pedal is pressed, the Sequential mode is activated.

Starting off is also possible on a level road surface in second gear, e.g. in case of ice.

In the following situations, the Sequential Manual Transmission thinks for you:

- Upshifts and downshifts are executed only when they will result in a plausible combination of engine and vehicle speed; thus, for example, a downshift that would cause the engine to overrev will not be executed by the system.
- When the vehicle is stationary, the transmission automatically downshifts into first gear.
- Shortly before dropping below a gear-dependent minimum speed, the transmission downshifts automatically even without your intervention.

D Drive mode

In the Drive mode, all forward gears are shifted automatically.

Shifting from Sequential mode to Drive mode: press selector lever to the right toward D/S.

To switch back into the Sequential mode: press selector lever to the right again toward D/S or shift using the shift paddles or the selector lever.

Kick-down: for rapid acceleration, e.g. when passing, press the accelerator pedal as far down as it will go. You achieve maximum acceleration.

Displays in instrument cluster

1 Gear 1 to 7, R, N engaged

2 Selected driving program, matches the number of illuminated fields, refer to Drivelogic on page 57

3 The currently engaged gear is displayed, followed by a D in the Drive mode

A flashing gear display indicates to you that the driver's door is open with the engine running.
N is automatically engaged after just a few seconds when you open the driver's door or the hood with the engine running and the vehicle stopped, and do not operate either pedals, shift paddles or the selector lever.◀

Gear changes

Using selector lever

- To upshift, pull the selector lever back.
- To downshift, push the selector lever forward.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Using shift paddles on steering wheel

- To upshift, briefly pull the right shift paddle +.
- To downshift, briefly pull the left shift paddle –.

Drivelogic

With Drivelogic various driving programs are available to you.

Each time you change between the Sequential mode and the Drive mode, the driving program last selected in the respective mode is active. Exception: after the first change from the Sequential to the Drive mode, driving program 3 is active.

In Drive mode

Five driving programs, from relaxed 1 to sporty/highly dynamic 5 are available for selection.

In Sequential mode

You can choose from six driving program from balanced/dynamic 1 to sporty/purist 6.

Each time the engine is started, driving program 3 is activated.

The sporty/purist driving program 6 is only available with the DSC Dynamic Stability Control deactivated, refer to page 75. When DSC is activated, the system switches from driving program 6 to 5.

To maintain vehicle stability, always drive with the DSC switched on when possible.◀

Selecting driving program with button in center console

Press the button repeatedly until the desired driving program is displayed in the instrument cluster, refer to page 56.

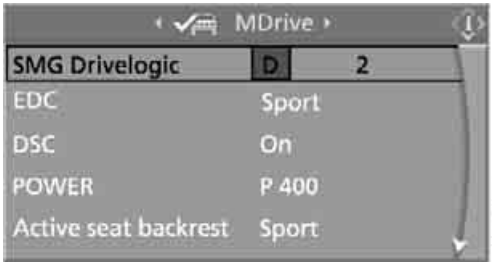
Selecting driving program via button on steering wheel

You can also activate your preferred driving program with the button on the steering wheel, refer to MDrive on page 48.

With the ignition switched on you can change the settings of MDrive on the Control Display.

iDrive, for explanation of principle, refer to page 16.

1. Open the start menu.
2. Press the controller to open the menu.
3. Select "Vehicle settings" and press the controller.
4. Select "MDrive" and press the controller.
5. Select "SMG Drivelogic" and press the controller. The first setting is selected.



6. Turn controller to set Drive mode or Sequential mode.

   "Unchanged" retains the current settings made outside of MDrive.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

7. Press controller to select driving programs.
8. Turn controller to set driving program.
9. Press the controller.

Shift lights

To achieve the best vehicle acceleration with a sporty driving style in the Sequential mode, shift lights in the Head-Up Display* indicate the optimum shifting point briefly before reaching the maximum rpm.

1. Switch on Head-Up Display, refer to Head-Up Display on page 80.
2. Select display "M View" on Head-Up Display, refer to Selecting displays on page 80.

The current engine speed is highlighted on the tachometer.

3. When approaching the maximum rpm, yellow illuminated fields **1** of the tachometer consecutively indicate the approaching upshift point.
4. Shift at the latest when the red indicator field lights up **2**.

When the permissible maximum rpm is reached, the entire tachometer beings to flash. When the maximum rpm is exceeded, the fuel supply is cut off to protect the engine. Always avoid engine speeds in this range.

M Engine Dynamic Control

With M Engine Dynamic Control you can influence how sporty the reaction of your vehicle to accelerator pedal movements is to be. Three programs are available for engine control.

"P 400" program

In the "P 400" program the engine reacts gently to the movement of the accelerator pedal. This is, for example, ideal for city driving or driving on snow. In the process, the fuel consumption is minimal and the engine output is reduced.

"P 500" program

The "P 500" program provides maximum performance and more spontaneous reaction of the engine to accelerator pedal movements.

"P 500 Sport" program

In the "P 500 Sport" program the engine reacts especially spontaneously and uncompromisingly sporty with maximum performance to accelerator pedal movements.

Selecting program

Each time the engine is started, the "P 400" program is activated.

Press the POWER button to activate the "P 500" program. Pressing the POWER button repeatedly switches between the programs "P 400" and "P 500".

You can also activate your preferred program with the button on the steering wheel, refer to MDrive on page 48. You can only activate the "P 500 Sport" program with MDrive.

For the programs "P 500" and "P 500 Sport" the LED in the POWER button lights up.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Turn signals/ headlamp flasher

1 High beams
2 Headlamp flasher
3 Turn signals

Using turn signals

Press the lever beyond the resistance point.

To turn off manually, press the lever to the resistance point.

Atypically rapid flashing of the indicator lamp indicates that a turn signal bulb needs to be replaced.◀

Signaling briefly

Press lever to resistance point and hold for as long as you wish to signal.

Triple turn signal activation

Press the lever to the resistance point; the turn signal flashes three times.

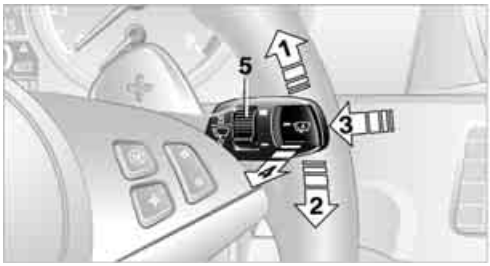
You can activate or deactivate this function.

iDrive, for explanation of principle, refer to page 16.

1. Open the start menu.
2. Press the controller to open the i menu.
3. Select "Vehicle settings" and press the controller.
4. Select "Lighting" and press the controller.

5. Select "Triple turn signal activation" and press the controller.
   Triple turn signaling is activated.

Wiper system



1 Switching on wipers
2 Switching off wipers or brief wipe
3 Activating/deactivating rain sensor
4 Cleaning windshield and headlamps
5 Adjusting rain sensor sensitivity level

Switching on wipers

Pull the lever upward, arrow **1**.

The lever automatically returns to its initial position when released.

Normal wiper speed

Press once.
The system reverts to operation in the intermittent mode when the vehicle is stationary.

Fast wiper speed

Press twice or press beyond the resistance point.

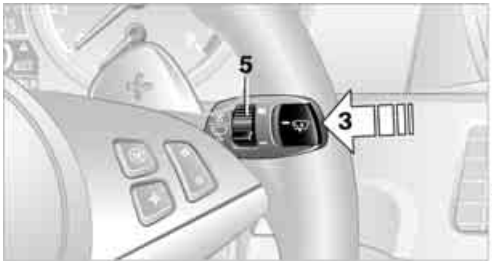
Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

The system reverts to normal speed when the vehicle is stationary.

Rain sensor

The wiper operation is controlled automatically as a function of the rain intensity. The rain sensor is located on the windshield, directly in front of the interior rearview mirror.

Activating rain sensor



Press the button, arrow **3**. The LED in the button lights up.

Adjusting rain sensor sensitivity level

Turn the knurled wheel **5**.

Deactivating rain sensor

Press the button again, arrow **3**. The LED goes out.

Deactivate the rain sensor when passing through an automatic car wash. Failure to do so could result in damage caused by undesired wiper activation.◀

Cleaning windshield and headlamps

Pull the lever, arrow **4**.

The system sprays washer fluid against the windshield and activates the wipers for a brief period.

When the vehicle lighting is switched on, the headlamps are simultaneously washed at appropriate intervals.

Do not use the washers if there is any danger that the fluid will freeze on the windshield. If you do so, your vision could be obscured. To avoid freezing, use a washer fluid antifreeze, refer to Washer fluid. Do not use washing mechanisms when the washer fluid reservoir is empty, otherwise you will damage the washer pump.◀

Windshield washer nozzles

Both windshield washer nozzles are automatically heated with the engine running or the ignition switched on.

Washer fluid

Washer fluid antifreeze is flammable. Always keep it well away from sparks and open flames, and store it in tightly closed containers well out of the reach of children. Always observe the instructions for use provided on the containers.◀

Washer fluid reservoir

All washer jets are supplied from one reservoir.

Fill with water and – if required – with a washer antifreeze, according to manufacturer's recommendations.

In order to maintain the mixture ratio, mix the washer fluid before filling.◀

Capacity

Approx. 5.3 US quarts/5 liters.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

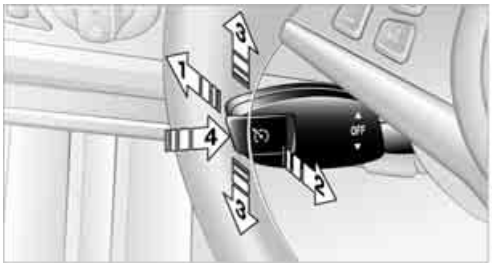
Cruise control

The concept

The cruise control is available for use at speeds of approx. 20 mph/30 km/h and higher. The vehicle stores and maintains the speed that you set using the lever mounted on the steering column.

Do not use the cruise control under driving conditions that do not permit a constant speed, e.g. when driving on winding roads, in heavy traffic or in poor road conditions such as snow, rain, ice, and loose road surface. Otherwise you could loose control of the vehicle and cause an accident.◀

One lever for all functions



1 Maintaining speed, storing speed, and accelerating

2 Maintaining speed, storing speed, and decelerating

3 Interrupting cruise control

4 Resuming stored speed

Maintaining speed, storing speed, and accelerating

Press lever to resistance point, arrow **1**:
The speed currently being driven is maintained and stored. The display **1** in the speedometer, see below, indicates this regulated speed. Every time you press the lever, the vehicle's speed increases by roughly 1 mph/1 km/h.

Press lever to resistance point for a longer time:
The vehicle accelerates without pressure on the accelerator pedal. The system maintains and stores your current speed as soon as you release the lever.

Press the lever beyond the resistance point: increase speed by 5 mph/10 km/h.

If, on a downhill grade, the engine's braking effect is not sufficient, the controlled speed can be exceeded. Speed can drop on uphill grades if the engine output is insufficient.

Maintaining speed, storing speed, and decelerating

Pull the lever, arrow **2**:
Functions are the same as **1**, only the vehicle speed is reduced.

Interrupting cruise control

Press the lever up or down, arrow **3**.

In addition, cruise control is automatically deactivated:

- When the brakes are applied
- For manual shifting with the shift paddles or the selector lever
- When the DSC comes on

Resuming stored speed

Press button **4**:
The stored speed is resumed and maintained.

Deactivating system

When the ignition is switched off, the system is deactivated and the stored speed is deleted.

Displays in instrument cluster

1 Stored desired speed

2 Selected desired speed appears briefly

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Everything under control

Odometer, outside temperature display, clock

1 Time, outside temperature, refer to Computer on page 63

2 Odometer and trip odometer

3 Press button:

- ▷ with ignition switched on, trip odometer is reset
- ▷ with ignition switched off, briefly display odometer

Tachometer

The advance warning field, arrow **1**, and the red warning field, arrow **2**, change depending on the engine temperature. As the engine temperature rises, the permissible engine speed also increases. Avoid allowing the engine speed to rise as far as the orange warning sector whenever possible.

Be sure to avoid engine speeds in the red warning field. In this range, the fuel supply is interrupted to protect the engine.

Coolant temperature

Should the coolant, and with it the engine become too hot, a warning lamp lights up. In addition, a message appears on the Control Display.

Checking coolant level, refer to page 184.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Engine oil thermometer

The general operating temperature lies between 175 °F /80 °C and 250 °F /120 °C. Do not exceed a value of approx. 265 °F /130 °C.

If the engine oil temperature is too high, the permissible engine speed, and with it the available engine output is reduced.

Fuel gauge

Fuel tank capacity: approx. 18.5 gallons/ 70 liters. You will find information on refueling on page 174.

If the tilt of the vehicle varies for a longer period, when you are driving in mountainous areas, for example, the indicator may fluctuate slightly.

Reserve

After the reserve quantity has been reached, a message briefly appears on the Control Display; the remaining range is shown in the computer. Below a range of approx. 30 miles/50 km, the message remains on the Control Display.

Refuel as soon as possible once your cruising range falls below 30 miles/ 50 km, otherwise engine functions are not ensured and damage can occur.◀

Computer

Displays in instrument cluster

To display the information, press the BC button in the turn signal lever from radio readiness.

The following information is displayed in the specified order:

- Time and outside temperature
- Cruising range
- Average fuel consumption
- Oil level, refer to Checking engine oil level on page 182

Time

To set the time, refer to page 71.

Outside temperature

If the display drops to +37 °F /+3 °C, a signal sounds and a warning lamp lights up. A message appears on the Control Display. There is an increased danger of ice.

Even at temperatures above +37 °F / +3 °C ice can form. Therefore, drive carefully, e.g. on bridges and sections of road in the shade, otherwise there is an increased accident risk.◀

You can set the unit of measure °F or °C on the Control Display, refer to Units of measure on page 72.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Cruising range

Displays the estimated cruising range available with the remaining fuel. The range is projected based on the driving style over the last 20 miles/ 30 km.

Refuel as soon as possible once your cruising range falls below 30 miles/ 50 km, otherwise engine functions are not ensured and damage can occur.◀

Average fuel consumption

The average fuel consumption is calculated for the time during which the engine is running.

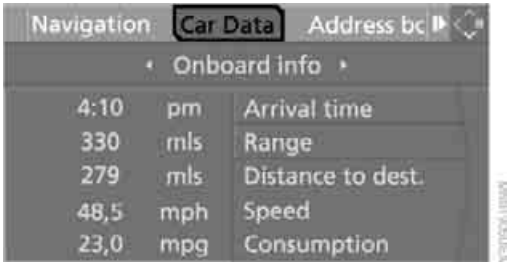
You can use the Control Display to view your fuel consumption rate over two different distances, refer to Displays on Control Display or Trip computer.

To reset average fuel consumption: press BC button on turn signal lever for approx. 2 seconds.

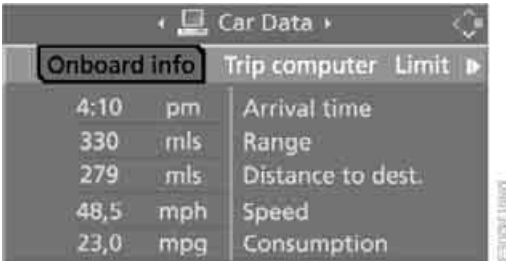
Displays on Control Display

You can also call up the computer via the iDrive. For explanation of principle, refer to page 16.

1. Press the **MENU** button.
   This opens the start menu.
2. Move the controller to the right to open "Navigation".
   Without navigation system*:
   Open "Car Data".
3. Select "Car Data" and press the controller.



4. Select "Onboard info" and press the controller.



- Estimated time of arrival at destination:
  - Entering a distance manually in the computer, see below.
  - Entering a destination in the navigation system*, refer to page 113.
- Cruising range
- Distance to destination:
  - Entering a distance manually in the computer, see below.
  - Entering a destination in the navigation system*, refer to page 113.
- Average speed
- Average fuel consumption

Periods with the vehicle parked and the engine switched off are not included in the calculations of average speed.

Resetting values

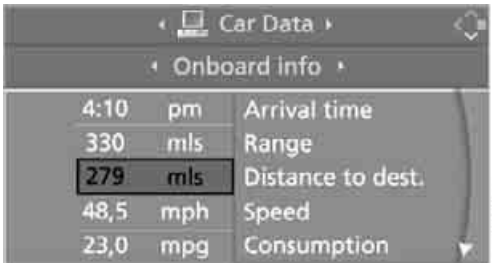
You can reset the values for the average speed and average fuel consumption:

1. Select the respective menu item and press the controller.
2. To confirm your selection, press the controller again.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Entering a distance manually

1. Select "Distance to dest." and press the controller.



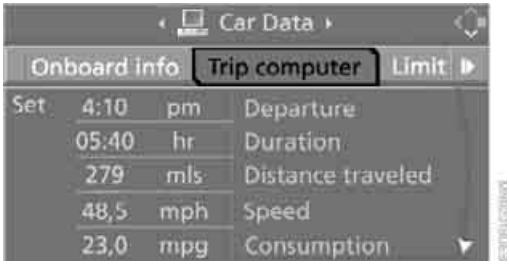
2. Turn the controller to select the distance to your destination. If needed, hold it against a slight resistance to enter a larger difference.
3. Press the controller to apply the setting.

The distance is automatically preset during the destination guidance of the navigation system*.

Trip computer

The trip computer is suitable, for example, for a vacation trip.

1. Open the start menu.
2. Open "Navigation".
   Without navigation system*:
   Open "Car Data".
3. Select "Car Data" and press the controller.
4. Select "Trip computer" and press the controller.



- Departure time
- Driving time
- Distance traveled
- Average speed
- Average fuel consumption

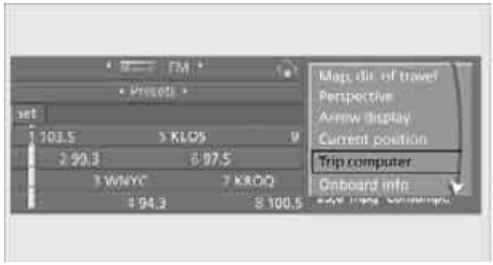
Starting or stopping the trip computer, or resetting all values:

1. Select "Set" and press the controller.
2. Select the desired menu item.
3. Press the controller.

Display options

You can display the computer or the trip computer in the assistance window.

1. Move the controller to the right to change to the assistance window and press the controller.



2. Select "Onboard info" or "Trip computer".
3. Press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Service requirements

The remaining driving distance and the date for the next maintenance are displayed briefly with the ignition switched on.

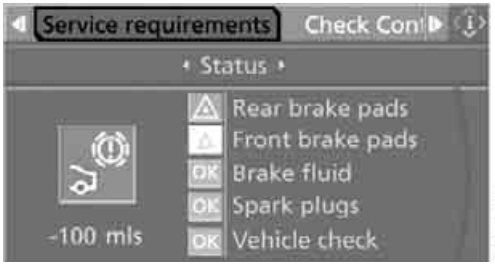
The first oil change displayed at approx. 1,200 miles/2,000 km signals that the break-in check is due.

Your BMW Service Advisor can determine your vehicle's current service requirements by reading out the data stored in the remote control.◀

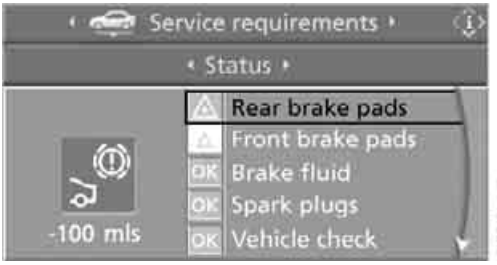
Additional information

You can select a display of more detailed information on the maintenance scope on the Control Display. For explanation of principle, refer to page 16.

1. Open the start menu.
2. Press the controller to open the i menu.
3. Select "Service" and press the controller.
4. Select "Service requirements" and press the controller.



5. Select "Status" and press the controller.



The display shows a list of selected service and maintenance procedures, as well as legally mandated inspections.

You can request more detailed information on every entry.

Select the entry and press the controller.

To exit from the menu:
Select the arrow and press the controller.

Symbols

OK No service is currently required.

The deadline for service or a legally mandated inspection is approaching. Please arrange a service appointment.

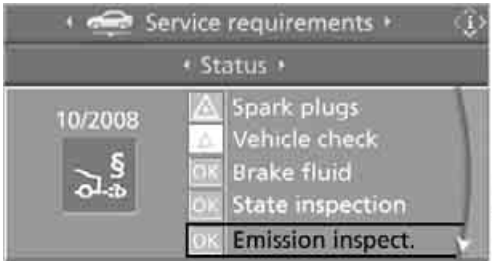
The service deadline has already passed.

Entering dates for state emission and vehicle inspections*

Make sure the date on the Control Display is always set correctly, refer to page 71, otherwise the effectiveness of CBS Condition Based Service is not ensured.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

1. Open the start menu.
2. Press the controller to open the i menu.
3. Select "Service" and press the controller.
4. Select "Service requirements" and press the controller.
5. Select "Status" and press the controller.
6. Select "Emission inspect." or "State inspection" and press the controller.



7. Select "Set service date" and press the controller. The month is highlighted.
8. Turn the controller to make the adjustment.

9. Press the controller to apply the setting. The year is highlighted.
10. Turn the controller to make the adjustment.
11. Press the controller to apply the setting. The date entry is stored.

To exit the menu:
Select the arrow and press the controller.

Check Control

The concept

The Check Control monitors functions in the vehicle and issues a message if there is a malfunction in the monitored systems. This kind of Check Control message consists of indicator and warning lamps in the instrument cluster, and if necessary an acoustic signal and text messages at the bottom of the Control Display.

Indicator and warning lamps

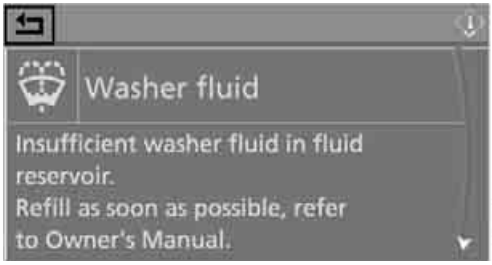
Indicator and warning lamps can light up both in the display area **1** and in the display **2** in various combinations and colors.

⚠ means that a Check Control message has been generated. The symbol continues to be visible even when the Check Control message disappears after a short time. The warning lamps and text messages are stored and can be displayed later, also refer to page 68.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Explanatory text messages

Text message at the bottom edge of the Control Display explain the meaning of the displayed indicator and warning lamps.



You can display additional information on most Check Control messages later, e.g. on the cause of the malfunction and on corresponding need for action, see below.

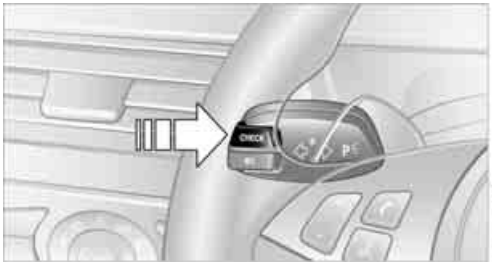
In the case of corresponding urgency, this information is displayed immediately when the related lamp lights up.

Exit the displayed information:
Select the arrow and press the controller.

Importance of Check Control messages

Important Check Control messages continue to be displayed until the malfunctions have been corrected. They cannot be deleted. If a number of malfunctions occur simultaneously, they are displayed in succession.

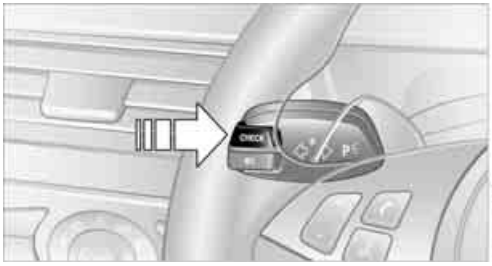
Less important messages disappear after approx. 20 seconds, but remain in memory.



To hide these Check Control messages:
Press the CHECK button on turn signal lever.

Displaying stored Check Control messages

1. Hold the button down:
   The first stored message is displayed.



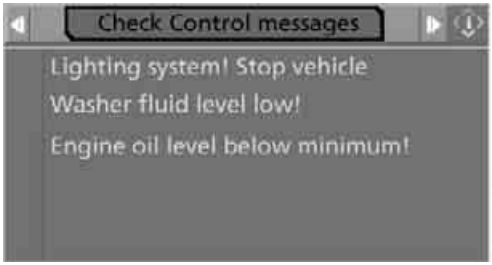
2. Press the button:
   When the button is pressed again, a different message is displayed.

Displaying additional information later

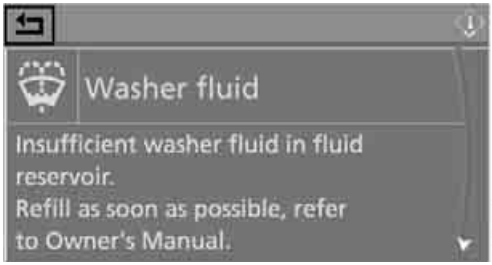
iDrive, for explanation of principle, refer to page 16.

1. Press the MENU button.
   This opens the start menu.
2. Press the controller to open the i menu.
3. Select "Service" and press the controller.
4. Select "Check Control messages" and press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

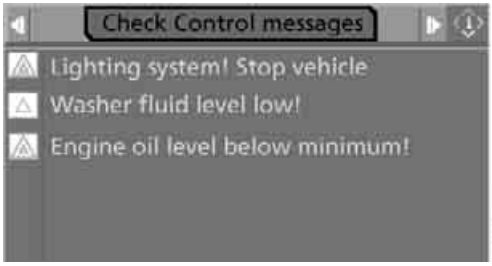


5. Select a text message and press the controller.



To exit the display:
Select the arrow and press the controller.

Indication of malfunction urgency



Depending on your vehicle's equipment, the stored Check Control messages are also displayed with the following symbols:

OK No malfunctions are present in the monitored systems.

Malfunctions are present in the monitored systems. Depending on the malfunction, supplementary information is shown on the Control Display.

The symbols also indicate the status of the service requirements display, refer to page 66.

Displays after completion of trip

Malfunction reports generated during the trip are shown consecutively when you switch off the ignition.

Before the display disappears, you can display the messages once again. Press the CHECK button for approx. 2 seconds. If several messages are present, you can continue to press the CHECK button to view them in succession.

The display goes out

- automatically after a brief period
- when you press the CHECK button again for approximately 2 seconds

Speed limit

You can enter a speed and a Check Control message indicates when you have reached this speed. This enables you, for example, to receive warnings if you exceed a speed limit in an urban area.
You are only warned of reaching this speed a second time if your vehicle speed falls below it again by at least 3 mph/5 km/h.

Displaying, setting or changing limit

iDrive, for explanation of principle, refer to page 16.

1. Open the start menu.
2. Open "Navigation".
   Without navigation system*:
   Open "Car Data".
3. Select "Car Data" and press the controller.
4. Select "Limit" and press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

5. Select the speed value and press the controller.
6. Turn the controller to set the limit. If needed, hold it against a slight resistance to enter a larger difference.
7. Press the controller to apply the setting. The limit is automatically activated.

Applying your current speed as limit

Select "Select current speed" and press the controller. The system adopts your current speed as the limit.

Activating limit

Select "On" and press the controller.
Limit is automatically activated.

Stopwatch

iDrive, for explanation of principle, refer to page 16.

1. Open the start menu.
2. Open "Navigation".
   Without navigation system*:
   Open "Car Data".
3. Select "Car Data" and press the controller.
4. Select "Stopwatch" and press the controller.

Starting, stopping or resetting

- Select "Start" and press the controller. The stopwatch starts at the displayed time.
- Select "Reset" and press the controller. The stopwatch is reset and it restarts if it was running beforehand.
- Select "Stop" and press the controller. This stops the timer.

Taking an intermediate time reading

Select "Interim time" and press the controller. The interim time appears below the ongoing primary stopwatch count.

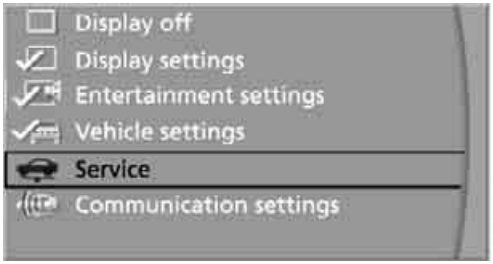
All of the remaining functions remain available at all times while the stopwatch is running. The stopwatch continues operation in the background.◀

Settings on Control Display

iDrive, for explanation of principle, refer to page 16.

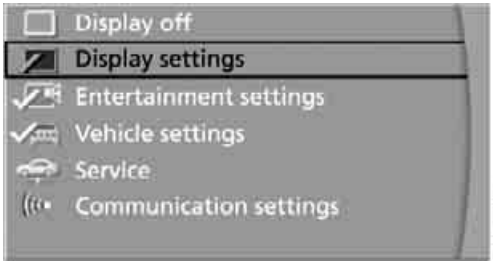
1. Press the **MENU** button once or twice until the start menu appears.

2. Press the controller to open the i menu.



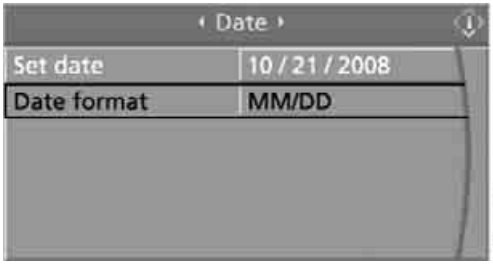
Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

3. Turn the controller until "Display settings" is selected and press the controller.

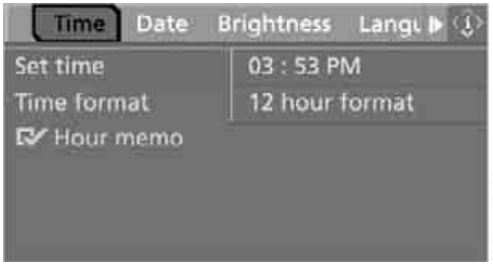


Setting time

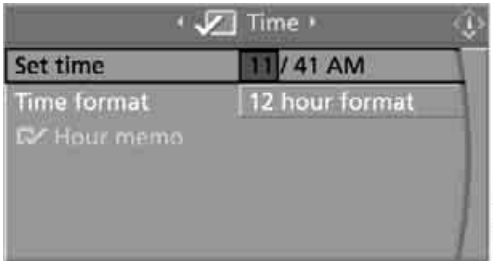
1. Move the controller once to the front if necessary to change to the first field from the top.



2. Turn the controller until "Time" is selected and press the controller.



3. Turn the controller until "Set time" is selected and press the controller.



Making settings

1. Turn the controller to set the hours and press the controller.
2. Turn the controller to set the minutes and press the controller.

The changed time is stored.

Switching on hour signal*

You will hear three tones just before each full hour.

Select "Hour memo" and press the controller.
The hour signal is activated.

Setting time format

1. Select "Time format" and press the controller.
2. Select the desired format and press the controller.

The setting is stored for the remote control currently in use.

Setting date

1. Select "Date" and press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

2. Select "Set date" and press the controller. The first section of the date display is highlighted, in this case the month.
3. Turn the controller to make the adjustment.
4. Press the controller to apply the setting. The next setting is highlighted.
5. Make the remaining adjustments. After the last adjustment, the date is stored.

Changing date format

1. Select "Date format" and press the controller.
2. Select the desired format and press the controller.

The setting is stored for the remote control currently in use.

Brightness of Control Display

The brightness is automatically adapted to the ambient lighting conditions. However, you can change the basic setting.

1. Select "Brightness" and press the controller.

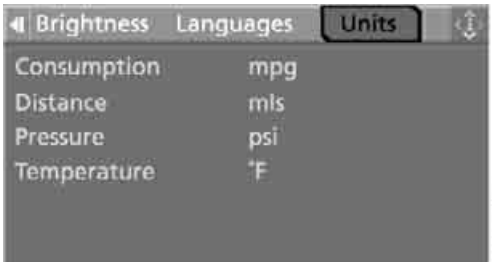
2. If necessary, move the controller to the right to select "Display".
3. Turn the controller until the desired setting is selected.

The setting is stored for the remote control currently in use.

Units of measure

You can change the units of measure for consumption, distances, temperature and pressure.

1. Select "Units" and press the controller.

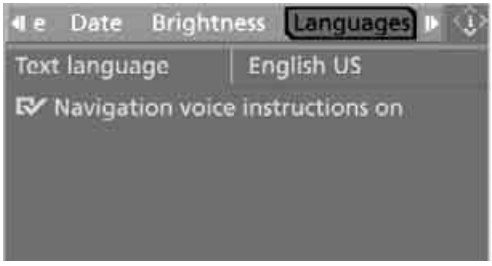


2. Select the menu item to be set and press the controller.
3. Select the desired unit of measure and press the controller.

The settings are stored for the remote key currently in use.

Language on Control Display

1. Select "Languages" and press the controller.



2. Select "Text language" and press the controller. You can change the language of the text displays.
3. Select and activate the desired language by pressing the controller.

The setting is stored for the remote control currently in use.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Technology for comfort, convenience and safety

PDC Park Distance Control*

The concept

The PDC assists you when you are parking. Acoustic signals and an optical display* alert you to the approach of an object from behind your vehicle. To measure the distance, there are four ultrasonic sensors in each bumper. The range of these sensors is approx. 7 ft/2 m. However, an acoustic warning first sound for the sensors at the front and at the two rear corners at approx. 24 in/60 cm, and for the center rear sensors at approx. 5 ft/1.50 m.

PDC is a parking aid that can indicate objects when they are approached slowly, as is usually the case when parking. Avoid approaching an object at high speed, otherwise the physical circumstances would mean that the system warning was too late.◀

Automatic activation

The system starts to operate automatically approx. 1 second after you move the selector lever into the R position with the engine running or the ignition switched on.

Wait this short period before driving.

Manual activation

Press button, the LED lights up.

Manual deactivation

Press the button again; the LED goes out.

After driving approx. 165 ft/50 m or at over approx. 20 mph/30 km/h, the system is switched off and the LED goes out. You can reactivate the system manually as needed.

Signal tones

When nearing an object, the position is correspondingly indicated by an interval tone. Thus, an object detected to the left rear of the vehicle will be indicated by a signal tone from the left rear speaker, etc. As the distance between vehicle and object decreases, the intervals between the tones become shorter. If the distance to the nearest object falls to below roughly 1 ft/30 cm, then a continuous tone sounds.

An intermittent tone is interrupted after approx. 3 seconds:

- if you remain in front of an object that was only detected by one of the corner sensors
- if you drive parallel to a wall

Malfunction

The LED in the button flashes and a message appears on the Control Display. PDC is malfunctioning. Have the system checked.

To prevent this problem, keep the sensors clean and free of ice or snow in order to ensure that they will continue to operate effectively. Do not spray the sensors with high-pressure cleaners for long periods and maintain a distance of at least 4 in/10 cm to them.

Exhaust gases near the rear sensors can cause a signal tone to sound.

PDC with visual warning*

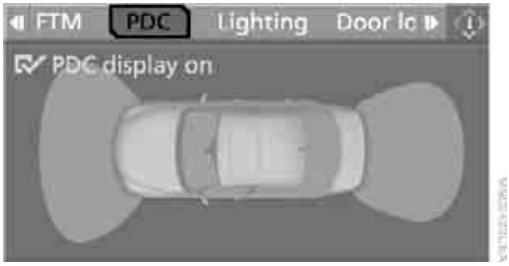
You can also have the system show distances to objects on the Control Display. Objects that are farther away are already shown there before

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

a signal tone sounds. The setting is stored for the remote control currently in use.

iDrive, for explanation of principle, refer to page 16.

1. Open the start menu.
2. Press the controller to open the i menu.
3. Select "Vehicle settings" and press the controller.
4. Change to upper field if necessary. Turn the controller until "PDC" is selected and press the controller.



5. Select "PDC display on" and press the controller.
   The PDC screen is activated.

The display appears on the Control Display as soon as PDC is activated.

System limits

Even with PDC, final responsibility for estimating the distance between the vehicle and any obstructions always remains with the driver. Even when sensors are provided, there is a blind spot in which objects can no longer be detected. This applies especially in those cases where the system approaches the physical constraints of ultrasonic measurement, as occurs with tow bars and trailer couplings, and in the vicinity of thin or wedge-shaped objects. Low objects already displayed, e.g. a curb, can disappear from the detection area of the sensors again before a continuous tone sounds. Higher, protruding objects, e.g. ledges, cannot be detected. Loud sources of sound, inside and outside the vehicle, could drown out the PDC signal tone.◀

Driving stability control systems

Your BMW is equipped with an extended array of systems designed to enhance and maintain vehicle stability under extreme conditions.

ABS Antilock Brake System

ABS prevents locking of the wheels during braking. Safe steering response is maintained even during full braking. Active safety is thus increased.

The ABS is operational every time you start the engine. Braking safely refer to page 106.

CBC Cornering Brake Control

When braking during curves or when braking during a lane change, driving stability and steering response are improved further.

Electronic brake-force distribution

The system controls the brake pressure in the rear wheels to ensure stable braking behavior.

DBC Dynamic Brake Control

When you apply the brakes rapidly, this system automatically produces the maximum braking force boost and thus helps to achieve the shortest possible braking distance during full braking. This system exploits all of the benefits provided by ABS.

Do not reduce the pressure on the brake pedal for the duration of the full braking.

DSC Dynamic Stability Control

DSC optimizes the vehicle stability and traction. It also detects unstable driving states such as understeering and oversteering, and helps keep the vehicle on course within the physical limits by reducing the engine output and by braking at the wheels.

The DSC is operational every time you start the engine.

The laws of physics cannot be repealed, even with DSC. An appropriate driving style always remains the responsibility of the

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

driver. Therefore, do not reduce the additional safety margin further by taking risks.◀

DSC indicator lamp

The indicator lamp goes out shortly after the engine is started.
The indicator lamp flashes: DSC controls the drive forces and brake forces.
The indicator lamp stays lit: DSC is deactivated.

M Dynamic Mode MDM

The M Dynamic Mode is a mode of the DSC Dynamic Stability Control. It enables driving with greater longitudinal and lateral acceleration on dry road surfaces, however with limited vehicle stability. The system does not provide stabilizing intervention by reducing the engine output and braking at the wheels until the absolute driving limit is reached. Steering corrections by the driver may also be required in this driving state.

The M Dynamic Mode is deactivated each time the engine is started.

With the M Dynamic Mode activated, stabilizing interventions are only carried out to a reduced degree.◀

To maintain vehicle stability, drive with DSC activated and the M Dynamic Mode deactivated whenever possible.◀

MDM indicator lamp

MDM The indicator lamp goes out shortly after the engine is started. The indicator lamp stays lit: M Dynamic Mode is activated.
The indicator lamp lights up continuously and the DSC indicator lamp flashes: the M Dynamic Mode is active and controls the drive and braking forces.

Activating MDM

You activate the M Dynamic Mode with the button on the steering wheel, refer to MDrive on page 48.

With the ignition switched on you can change the settings of MDrive on the Control Display.

iDrive, for explanation of principle, refer to page 16.

1. Open the start menu.
2. Press the controller to open the i menu.
3. Select "Vehicle settings" and press the controller.
4. Select "MDrive" and press the controller.
5. Select "DSC" and press the controller.
6. Select "M Dynamic Mode" and press the controller.

Deactivating MDM again

Press the button on the steering wheel again; the MDM indicator lamp goes out.

Switching off DSC

Press the DSC button; the DSC indicator lamp lights up continuously. DSC and MDM are deactivated.

A message appears on the Control Display. Please note any supplementary information that appears there.

When rocking free and starting off from deep snow or on loose road surfaces, it may be practical to briefly deactivate DSC.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

To maintain vehicle stability, always drive with the system switched on when possible.◀

Reactivating DSC

Press the DSC button; the indicator lamp in the instrument cluster goes out.

You can also activate and deactivate DSC with the button on the steering wheel, refer to MDrive on page 48.

EDC Electronic Damping Control

The concept

If the influencing variables such as road surface quality or operating conditions such as steering, braking etc. change, the damping automatically adjusts to the new conditions within a fraction of a second.

You can choose from three programs.

"Comfort" program

Select the "Comfort" program if you want comfort-oriented coordination of shock absorbers and steering.

"Normal" program

The "Normal" program offers a balanced mixture of the comfort and the sport program.

"Sport" program

Select the "Sport" program if you want a consistently sporty coordination of shock absorbers and steering.

Selecting program

Press the EDC button repeatedly:

- "Comfort": no LED lights up in the button.
- "Normal": one LED lights up in the button.
- "Sport": both LEDs light up in the button.

The last selected program is active each time the engine is started.

You can also activate your preferred program with the button on the steering wheel, refer to MDrive on page 48.

Flat Tire Monitor FTM

The concept

The Flat Tire Monitor keeps track of the inflation pressures in the tires as you drive. The system provides an alert whenever the inflation pressure drops significantly in relation to the pressure in another tire.

In the event of a pressure loss, the rolling radius and therefore the rotation speed of the wheels change. This change is detected and is reported as a flat tire.

Functional requirement

In order to assure the reliable reporting of a flat tire, the system must be initialized for the correct tire inflation pressure.

The initialization must be repeated after each time the tire inflation pressure is corrected and after every tire or wheel change.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

System limits

The Flat Tire Monitor cannot indicate sudden severe tire damage caused by outside factors and does not detect a natural, even pressure drop in all four tires.◀

In the following situations, the system could be delayed or malfunction:

- System has not been initialized
- Driving on snowy or slippery road surface
- Sporty driving style: slip in the drive wheels, high lateral acceleration
- Driving with snow chains*

Initializing system

The initialization finishes during driving, which can be interrupted at any time. When driving resumes, the initialization is continued automatically. Do not initialize the system when driving with snow chains.◀

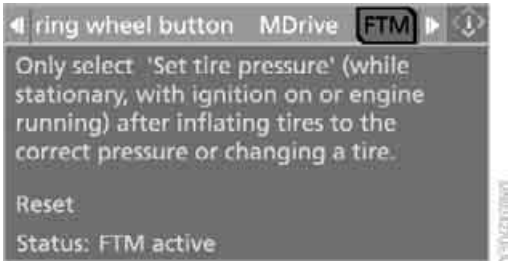
With the button in the center console:

1. Start the engine, but do not start driving.
2. Press the button at least 4 seconds, however not longer than 2 minutes. After releasing the button, the warning lamp in the instrument cluster lights up yellow for a few seconds. Warning lamp, refer to Indication of a flat tire. The message "Initializing FTM..." appears on the Control Display for a few seconds.

3. Start to drive. The initialization finishes during driving without feedback.

Using iDrive, for explanation of principle, refer to page 16:

1. Press the **MENU** button.
   This opens the start menu.
2. Press the controller to open the i menu.
3. Select "Vehicle settings" and press the controller.
4. Select "FTM" and press the controller.


ring wheel button
MDrive
FTM
Only select 'Set tire pressure' (while stationary, with ignition on or engine running) after inflating tires to the correct pressure or changing a tire.
Reset
Status: FTM active

5. Start the engine, but do not start driving.
6. Select "Set tire pressure" and press the controller.
7. Select "Yes" and press the controller.

The message "Initializing..." is displayed for a few seconds. The warning lamp in the instrument cluster lights up yellow for a few seconds.

8. Start to drive.
   The initialization finishes during driving without feedback.

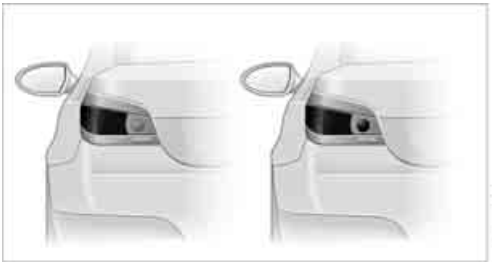
Indication of a flat tire

The warning lamp lights up red. A message appears on the Control Display. In addition, an acoustic signal sounds. There is a flat tire or extensive inflation pressure loss.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

1. Reduce speed and stop the vehicle carefully. Avoid sudden braking and steering maneuvers.
2. Identify damaged tire. To do this, check the tire inflation pressure using the M Mobility System, refer to Producing tire inflation pressure on page 192.
3. Repair flat tire with M Mobility System, refer to page 190, or replace the damaged wheel, refer to Changing wheels on page 192.

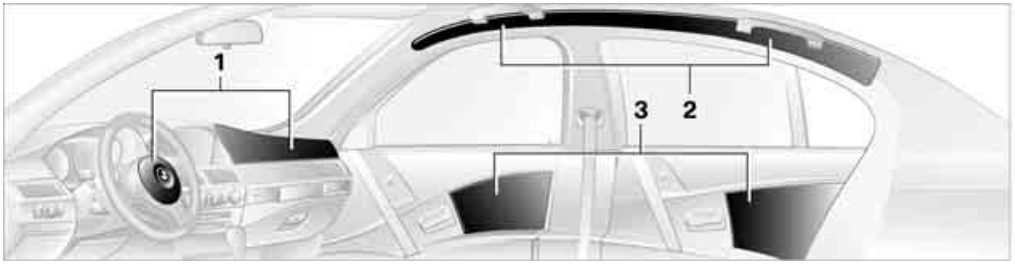
Brake force display



Left-hand picture: normal braking.

Right-hand picture: heavy braking.

Airbags



The following airbags are located under the marked covers:

1 Front airbags

2 Head airbags

3 Side airbags in front and rear

Protective action

To ensure that the safety systems continue to provide optimized protection, please observe the adjustment instructions on page 40.◀

The front airbags help protect the driver and front passenger by responding to frontal impacts in which safety belts alone cannot provide adequate restraint. When needed, the head and side airbags help provide protection in the event of side impact. The relevant side airbag supports the side upper body area. The head air bag supports the head.

The airbags are deliberately not triggered in every impact situation, e.g. less severe accidents or rear-end collisions.

Do not apply adhesive materials to the cover panels of the airbags, cover them or modify them in any other way. Do not attempt to remove the airbag retention system from the vehicle. Do not modify or tamper with either the wiring or the individual components in the airbag system. This category includes the upholstery in the center of the steering wheel, on the instrument panel, the doors and the roof pillars along with the sides of the headliner. Do not attempt to remove or dismantle the steering wheel. Do not touch the individual components immediately after the system has been triggered, because there is a danger of burns.
In the event of malfunctions, deactivation, or triggering of the airbag restraint system, have the testing, repair, removal, and disposal of airbag generators executed only by a BMW center

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

or a workshop that works according to BMW repair procedures with correspondingly trained personnel and has the required explosives licenses. Unprofessional attempts to service the system could lead to failure in an emergency or undesired airbag activation, either of which could result in personal injury.◀

Warnings and information on the airbags is also provided on the sun visors.

Automatic deactivation of front passenger airbags

The occupation of the seat is detected by evaluating the impression on the occupied seat surface of the front passenger seat. The front and side airbag on the front passenger side are activated or deactivated accordingly by the system.

The current status of the front passenger airbag, i.e. deactivated or activated, is indicated by the indicator lamp over the interior rearview mirror, refer to Operating state of front passenger airbags in the following.◀

Before transporting a child on the front passenger seat, observe the safety information and handling instructions under Transporting children safely refer to page 50.
The front and side airbag on the front passenger side can be deactivated for teenagers and adults in certain seat positions; then the indicator lamp for the front passenger airbags lights up. In these cases, change the seat position so that the front passenger airbags are activated and the indicator lamp goes out. If the desired status cannot be produced by changing the seat position, transport the corresponding person on the rear seat. Do not fit seat covers, seat cushion padding, ball mats or other items onto the front passenger seat unless they are specifically recommended by BMW. Do not lay objects under the seat which could press against the seat from below. Otherwise a correct evaluation of the occupied seat surface cannot be ensured.◀

Operating state of front passenger airbags

Depending on the vehicle's equipment, the arrangement of the switches and indicator lamps may differ somewhat.

The indicator lamp for the front passenger airbags indicates the operating status of the front and side airbag on the front passenger side depending on the seat occupation. The indicator lamp shows whether the front passenger airbags are activated or deactivated.

- The indicator lamp lights up when a child in a child restraint system intended for the purpose is properly detected on the seat. The front and side airbag on the front passenger side are not activated.
- The indicator lamp does not light up when, for example, a correctly seated person of sufficient height is detected on the seat. The front and side airbag on the front passenger side are activated.
- The indicator lamp does not light up when the seat is empty.
  However, the front and side airbag on the front passenger side are not activated.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Operational readiness of airbag system

From radio readiness, refer to page 53, the warning lamp lights up briefly, indicating the operational readiness of the entire airbag system and the safety belt tensioners.

Airbag system malfunction

- Warning lamp does not light up from radio readiness.
- Warning lamp lights up continuously.

Have the airbag system checked immediately in case of a malfunction, otherwise there is a danger that the airbag system may not respond in the expected manner in an accident despite an impact of corresponding intensity.◀

Head-Up Display*

The concept

With the Head-Up Display important information is projected into the driver's field of view, e.g. navigation instructions. This enables you to take in this information without looking away from the road.

Switching on/off

With the engine running or the ignition switched on:

Press the button to activate or deactivate the Head-Up Display.

Selecting displays

iDrive, for explanation of principle, refer to page 16.

1. Press the MENU button.
   This opens the start menu.
2. Press the controller to open the i menu.
3. Select "Display settings" and press the controller.
4. Select "Head-Up Display" and press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

5. Select desired information of Head-Up Display.

6. Press the controller.
   The information is shown on the Head-Up Display.
   "M View": the M view is shown in the Head-Up Display. Information unavailable in the M view appears on the Control Display in gray and cannot be selected.
   "M View": the default view is displayed.

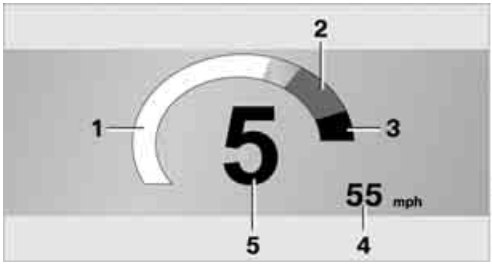
The M view for the Head-Up Display can also be selected with the button on the steering wheel, refer to MDrive on page 48.

The settings are stored for the remote key currently in use.

Default view

1 Navigation instructions
2 Stored desired speed of cruise control
3 Speed

M view



1 Current engine speed, highlighted
2 Advance warning field of tachometer
3 Red warning field of tachometer, also refer to Tachometer on page 62
4 Speed
5 Gear display

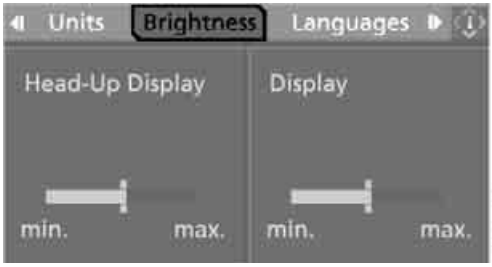
For information on the shift lights in the tachometer, refer to page 58.

Setting brightness

The brightness of the display is automatically adapted to the ambient lighting conditions. However, you can change the base setting. With the low beams switched on, the brightness can also be adjusted with the knurled wheel of the instrument lighting.

iDrive, for explanation of principle, refer to page 16.

1. Open the start menu.
2. Press the controller to open the menu.
3. Select "Display settings" and press the controller.
4. Select "Brightness" and press the controller.



Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

5. Move the controller to the left to select "Head-Up Display".
6. Turn the controller until the desired setting is selected.

The setting is stored for the remote control currently in use.

Notes

The visibility of the displays in the Head-Up Display is influenced by:

- Sunglasses with certain polarization filters
- Certain seating positions
- Objects on the cover of the Head-Up Display
- Wet road surface and unfavorable lighting conditions

If the image is distorted, please have the basic setting checked at a BMW center.

Special windshield

The windshield is part of the system. The shape of the windshield complies with the requirements of the Head-Up Display to enable a precise display. A film in the windshield prevents the double images from being displayed. Windshield replacement should be carried out by a BMW center or a workshop that works according to BMW repair procedures with correspondingly trained personnel.

Care instructions

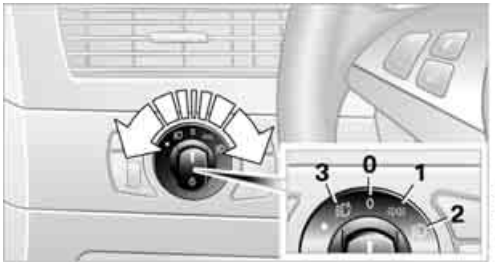
You can find everything you need to know on this topic by consulting the separate Caring for your vehicle brochure.

Only clean the cover of the Head-Up Display with a soft, lint-free cloth or with a display cleaning cloth, otherwise damage may result.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Lamps

Parking lamps/low beams



0 Lights off and daytime running lamps*

1 Parking lamps and daytime running lamps*

2 Low beams

3 Automatic headlamp control, daytime running lamps*, Adaptive Head Light* and high-beam assistant*

Parking lamps

In switch position **1**, the front, rear and side vehicle lighting is switched on. You can use the parking lamps for parking. For lighting on one side for parking as an additional feature, refer to page 84.

The parking lamps drain the battery. Do not leave them switched on for long periods of time, as otherwise it may no longer be possible to start the engine.◀

Low beams

The low beams light up in switch position **2** only with the engine running. Otherwise the parking lamps are lit.

Automatic headlamp control

In the switch position **3**, the system activates the low beams and switches them on or off in response to changes in ambient light conditions, for instance, in a tunnel, at dawn and dusk and in case of precipitation. Adaptive Head Light* is active. The LED next to the symbol is illuminated when the low beams are on.

When driving into a tunnel with bright overhead lighting, switching on of the lights may be delayed.
A blue sky with the sun low on the horizon can cause the lights to be switched on.

If desired, the light switch can be left in the position **3**. The exterior lighting is automatically switched off after switching off the vehicle.

The automatic headlamp control cannot serve as a substitute for your personal judgment in determining when the lamps should be switched on in response to ambient lighting conditions. For example, the sensors cannot detect fog of hazy weather. To avoid safety risks, you should always switch on the lamps manually under these conditions.◀

Pathway lighting

When you activate the headlamp flasher after parking the vehicle and switching off the lamps, the low beams will come on for a brief period. You can set the duration or deactivate the function via iDrive.

iDrive, for explanation of principle, refer to page 16.

1. Press the **MENU** button.
   This opens the start menu.
2. Press the controller to open the i menu.
3. Select "Vehicle settings" and press the controller.
4. Select "Lighting" and press the controller.

5. Select "Pathway lighting" and press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

6. Turn the controller to select the desired duration.
7. Press the controller to apply the setting.

Daytime running lamps*

If desired, the light switch can remain in position **0**, **1** or **3**.
In position **0** and **3** the exterior lighting is automatically switched off after the vehicle is switched off. In position **1** the parking lamps light up after the ignition is switched off.

Switch on the parking lamps if required as described under Parking lamps.

Adaptive Head Light*

The concept

Adaptive Head Light is a variable headlamp control system that enables better illumination of the road surface. Depending on the steering angle and other parameters, the light from the headlamp follows the course of the road.

Activating Adaptive Head Light

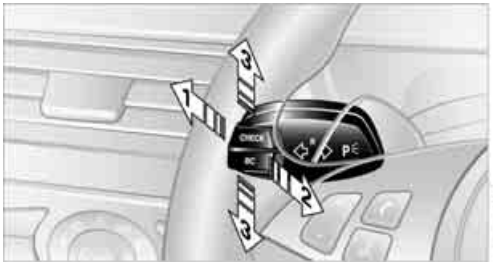
In switch position **3**, the Adaptive Head Light is active and the automatic headlamp control is switched on, refer to page 83.

To avoid dazzling oncoming traffic, the Adaptive Head Light is not active when driving in reverse and points toward the passenger side when the vehicle is stopped.

Malfunction

The LED next to the symbol for automatic headlamp control flashes. Adaptive Head Light is malfunctioning or has failed. Have the system checked as soon as possible.

High beams/ roadside parking lamps



1 High beams

2 Headlamp flasher

3 Roadside parking lamps

Roadside parking lamps, left or right*

You also enjoy the option of lighting up just one side of your vehicle when parking. When using this function, comply with national regulations:

Switching on

After parking the vehicle, press the lever in the desired direction **3**, past the resistance point.

The roadside parking lamps drain the battery. Do not leave them switched on for long periods of time, as otherwise it may no longer be possible to start the engine.◀

Switching off

Briefly press the lever in the opposite direction **3** up to the resistance point.

High-beam assistant*

The concept

This system automatically switches the high beams on and off again. A sensor on the front of the inside rearview mirror controls the process. The assistant ensures that the high beams are switched on whenever the traffic situation allows. This reduces the strain on you while at the same time providing you with the best possible visibility. Of course, you can intervene at

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

any time and switch the high beams on and off in the accustomed manner.

Activating high-beam assistant

1. Turn the light switch to switch position **3**, refer to page 83.
2. Press the turn signal lever in the high beam direction with the low beams switched on.

The indicator lamp in the instrument cluster lights up when the high-beam assistant is activated. The assistant automatically switches between high and low beams, whereby the system reacts to oncoming traffic and traffic ahead, as well as to sufficient lighting, e.g. towns/cities.

Manually switching between high and low beams

You can intervene at any time if you wish or the situation requires.

- If the high-beam assistant has switched on the high beams, however you nevertheless want to use the low beams, simply switch to the low beams with the turn signal lever. The high-beam assistant is deactivated in the process.
  To reactivate the system, briefly press the turn signal lever in the high beam direction again.
- If the high-beam assistant has switched on the low beams, however you nevertheless want to use the high beams, switch to the high beams in the accustomed manner. The system is deactivated in the process and you must switch to the low beams manually.
  To reactivate the system, briefly press the turn signal lever in the high beam direction again.
- You use the headlamp flasher as usual with low beams.

System limits

The high-beam assistant cannot replace personal decisions on the benefits of using the high beams. In situations which require this, you should therefore switch to the low beams manually to avoid a safety risk.◀

In the following example situations, the system does not operate or only with limitations and a personal reaction may be required:

- Under extremely unfavorable weather conditions, such as fog or heavy precipitation
- For perceiving road users with poor lighting of their own, e.g. pedestrians, cyclists, people on horseback, horse-drawn vehicles, with train or ship traffic close to the road and wild animals crossing the road
- In tight curves, on steep crowns or depressions, with cross traffic or partially concealed oncoming traffic on the freeway
- In poorly lit places and with highly reflective signs
- In the low speed range
- When the windshield is fogged up, dirty or covered with stickers, vignettes etc. in the area of the inside rearview mirror
- When the sensor is dirty. Clean the sensor on the front side of the inside rearview mirror with a cloth moistened with a small amount of glass cleaner

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Instrument lighting

The lighting intensity can be adjusted with the knurled wheel with the parking lamps/low beams switched on.

Interior lamps

The interior lamps, footwell lamps, door entry lighting and courtesy lamps* are controlled automatically.

With the courtesy lamps, LED lights are located in the door handles to illuminate the exterior area before the doors.

To protect the battery, all lamps in the vehicle are switched off approx. 15 minutes after radio readiness is switched off, refer to Start/Stop button on page 53.◀

Switching interior lamps on and off manually

Press the button.

If you want the interior lamps to remain off continuously, maintain pressure on the button for approx. 3 seconds.

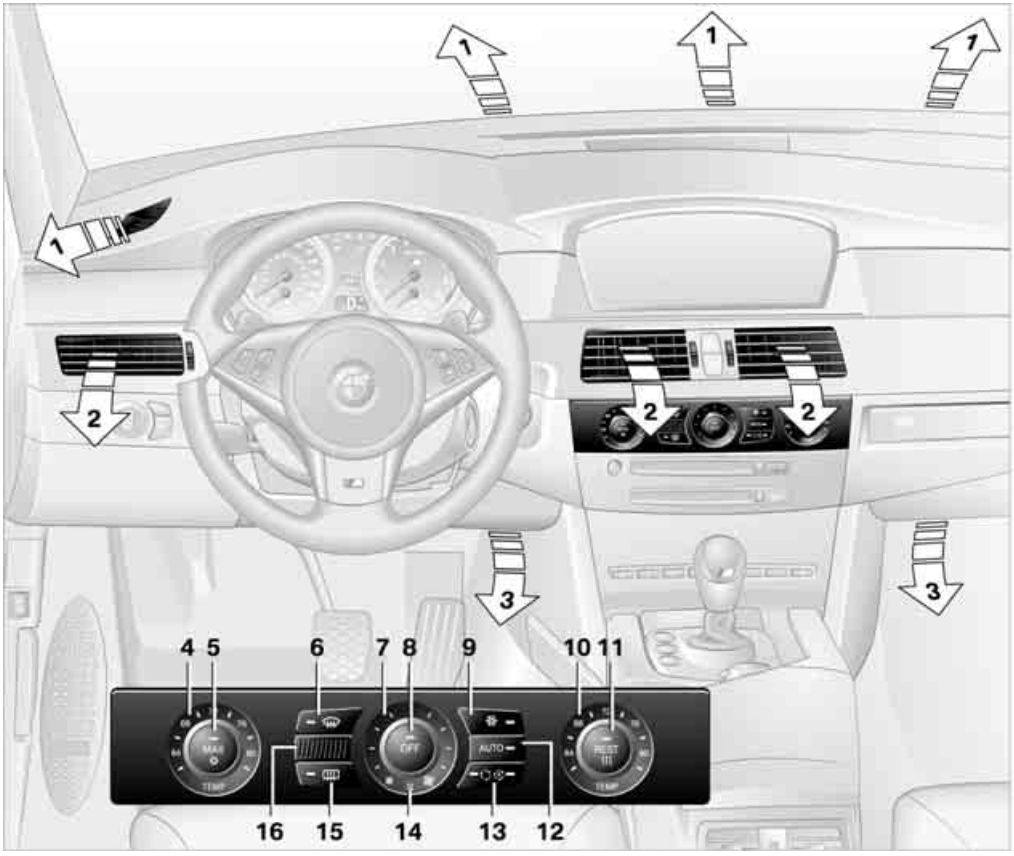
Reading lamps

Reading lamps are located in the front and rear adjacent to the interior lamps. Press the button briefly to switch the lamps on and off.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Climate

Automatic climate control



1 Airflow directed toward the windshield and side windows

2 Air for the upper body region, refer to Front ventilation on page 90

3 Air to footwell

4 Temperature, left side of passenger compartment

5 Maximum cooling

6 Defrosting windows and removing condensation

7 Air volume, manual

8 Switching off automatic climate control

9 Switching cooling function on and off manually

10 Temperature, right side of passenger compartment

11 Residual heat mode

12 AUTO program

13 AUC Automatic recirculated-air control/ recirculated-air mode

14 LED for parked car ventilation*

15 Rear window defroster

16 Air grill for interior temperature sensor – please keep clear and unobstructed

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

The current setting for air distribution is displayed on the Control Display.

A congenial climate

The AUTO program offers the optimum air distribution and air volume for virtually all conditions, refer to AUTO program below. Now you only need to select an interior temperature pleasant to you.

The following sections contain more detailed information on the available setting options.

Most settings are stored for the remote control currently in use, also refer to Personal Profile settings on page 29.

AUTO program

The AUTO program handles the adjustment of air distribution to the windshield and side windows, in the direction of the upper body, and in the footwell, as well as the air volume. It also adapts your instructions for the temperature to outside influences throughout the year.

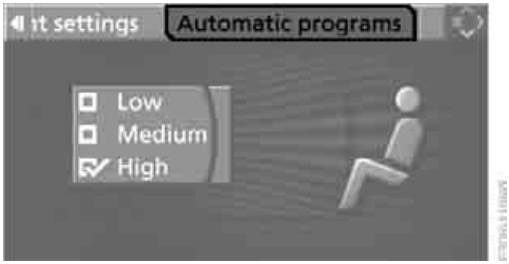
The cooling is switched on automatically with the AUTO program. At the same time, a condensation sensor controls the program in such a way that window condensation is prevented as much as possible.

Intensity of AUTO program

To meet your individual needs, you can weaken or strengthen the intensity of the automatic climate control.

iDrive, for explanation of principle, refer to page 16.

1. Press the **MENU** button.
   This opens the start menu.
2. Move the controller to the left to open "Climate".
3. Select "Automatic programs" and press the controller.



4. Select the desired intensity and press the controller.

   The marked intensity of the automatic program is switched on.

Temperature

Set the desired temperature individually on the driver's and front passenger side.

The automatic climate control adjusts this temperature as quickly as possible at any time of year, if necessary with the maximum cooling or heating capacity, and then keeps it constant.

When switching between different temperature settings in rapid succession, the automatic climate control does not have sufficient time to adjust the set temperature.◀

Adjusting temperature in upper body region

1. Open the start menu.
2. Open "Climate".
3. Select "Vent settings" and press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

4. Select the field by moving the controller and turning the controller to adjust the temperature.

Defrosting windows and removing condensation

Quickly remove ice and condensation from the windshield and front side windows.

Rear window defroster

The rear window defroster switches off automatically after a while.

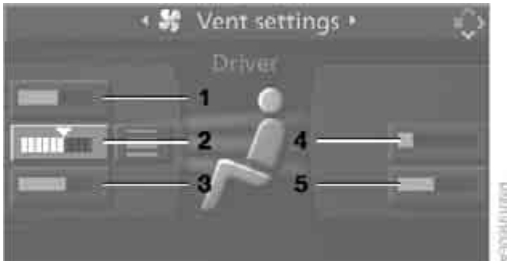
Air volume, manual

You can adjust the air volume by turning. You can reactivate the automatic mode for the air volume with the AUTO button.

Manual air distribution

You can specify the air distribution.

1. Open the start menu.
2. Open "Climate".
3. Select "Vent settings" and press the controller.
   The driver's and front passenger side can be adjusted separately with the fields on the right or left side.
4. Select the driver's or front passenger side if necessary.
   Move the controller to the right or left repeatedly until the driver's or front passenger side is selected.
5. Select the desired field by moving the controller.
6. Turn the controller to adjust the air distribution.



Driver's side:

1 Airflow directed toward the windshield and side windows

2 Airflow for the upper body

3 Air to footwell

Front passenger side:

4 Airflow for the upper body

5 Air to footwell

Pressing the AUTO button cancels the air distribution settings on the Control Display and vice versa.◀

Switching cooling function on and off

The cooling function cools and dehumidifies the incoming air before also reheating it as required, according to the temperature setting. Depending on the weather, the windshield may fog over briefly when the engine is started.

The cooling function is switched on automatically with the AUTO program. The passenger compartment can only be cooled with the engine running.

Maximum cooling

Maximally cooled air is obtained as quickly as possible from an outside temperature above 32 °F /0 °C and with the engine running.

The automatic climate control changes over to the lowest temperature and switches into the recirculated-air mode. The maximum air quantity only flows out of the vents for the upper

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

body. Therefore, open these vents for maximum cooling.

AUC Automatic recirculated-air control/recirculated-air mode

You can respond to pollutants or unpleasant odors in the immediate environment by suspending the supply of outside air. The system then recirculates the air currently within the vehicle. During AUC operation, a sensor detects pollutants in the outside air and controls the shut-off automatically.

By pressing the button repeatedly, you can request three operating modes:

- LED off: outside air flows in continuously.
- Right LED on, AUC mode: the system detects pollutants in the outside air and shuts off the supply as needed.
- Left LED on, recirculated-air mode: the supply of outside air is permanently shut off.

If condensation starts to form on the inside window surfaces during operation in the recirculated-air mode, you should switch it off while also increasing the air volume as required.

The recirculated-air mode should not be used over an extended period of time, as the air quality inside the vehicle deteriorates continuously.◀

Residual heat

The heat stored in the engine is used to heat the passenger compartment, e.g. while stopped at a school to pick up a child.

The function can be switched on when the following conditions are met:

- up to 15 minutes after switching off the engine
- with engine at operating temperature
- with sufficient battery voltage
- at an outside temperature below 77 °F / 25 °C

The LED lights up when the function is switched on.

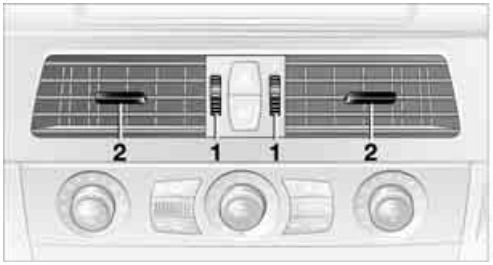
From radio readiness the interior temperature, the air volume and the air distribution can be set.

Switching off automatic climate control

The air volume, the heater and the cooling function are all switched off.

You can restart the automatic climate control by pressing any of its buttons except the REST button.

Front ventilation



1 Knurled wheels to smoothly open and close air vents

2 Levers to change the air vent direction

Do not drop any foreign objects into the vent outlets, otherwise these could be catapulted outwards and lead to injuries.◀

Ventilation for cooling

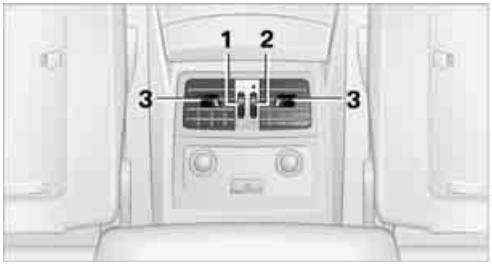
Adjust the vent outlets to direct the flow of cool air in your direction, for instance, if the interior has become too warm, etc.

Draft-free ventilation

Set the vent outlets so that the air flows past you and is not directed straight at you.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Rear ventilation



1 Knurled wheel to smoothly open and close air vents

2 Knurled wheel to adjust the temperature:
- ▷ Turn toward blue: colder
- ▷ Turn toward red: warmer

3 Levers to change the air vent direction

Microfilter/activated-charcoal filter

The microfilter removes dust and pollen from the incoming air. The activated-charcoal filter provides additional protection by filtering gaseous pollutants from the outside air. Your BMW center replaces this combined filter as a standard part of your scheduled maintenance.
You can select a display of more detailed information on the Control Display, refer to page 66.

Parked car ventilation*

The concept

The parked car ventilation blows air into the passenger compartment to lower interior temperatures.

It is ready to use in the parked-car mode at any outside temperature.

You can set two different times for the system to start. The parked car ventilation can also be switched on and off directly. It remains switched on for 30 minutes.

Since the system uses a substantial amount of electrical current, you should refrain from activating it twice in succession without allowing the battery to be recharged in normal operation between use.

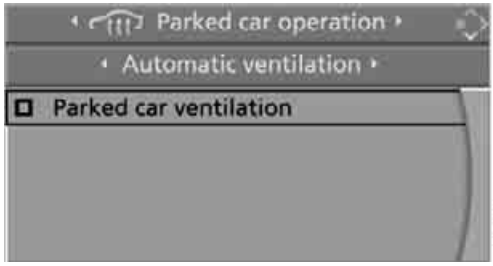
The air emerges through the upper body region vent outlets in the instrument panel. These vent outlets must be open for the system to operate.

The parked car ventilation is operated via iDrive.

Switching on and off directly

iDrive, for explanation of principle, refer to page 16.

1. Open the start menu.
2. Move the controller to the left to open "Climate".
3. Select "Parked car operation" and press the controller.
4. Select "Automatic ventilation" and press the controller.
5. Select "Parked car ventilation" and press the controller.



The parked-car ventilation is switched on.

The symbol on the display of the automatic climate control flashes.

Preselecting activation times

iDrive, for explanation of principle, refer to page 16.

1. Open the start menu.
2. Move the controller to the left to open "Climate".
3. Select "Parked car operation" and press the controller.
4. Select "Activation time" and press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

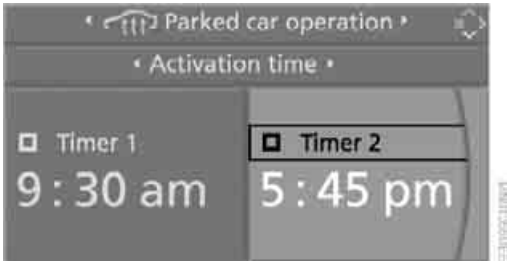
5. Move the controller to the left or right to select "Timer 1" or "Timer 2".

6. Select the time and press the controller. The first time setting is highlighted.

7. Turn the controller to make the adjustment.
8. Press the controller to apply the setting. The next setting is highlighted.
9. Make the remaining adjustments. After the last adjustment, the time is stored.

Activating activation time

Move the controller to the left or right to select "Timer 1" or "Timer 2" and press the controller.



The activation time is activated.

The symbol on the display of the automatic climate control lights up.

The symbol on the display of the automatic climate control flashes when the parked car ventilation has switched on.

The parked car ventilation is only available for activation within the next 24 hours. Then it must be activated again.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Practical interior accessories

Integrated universal remote control*

The concept

The integrated universal remote control can replace as many as three hand-held transmitters for various remote-controlled accessories, such as door openers and house alarm systems. The integrated universal remote control registers and stores signals from the original hand-held transmitters.

The signal of an original hand-held transmitter can be programmed on one of the three memory buttons **1**. Then with the ignition switched on, this programmed memory button **1** can be used to operate the respective feature. The LED **2** flashes to confirm transmission of the signal.

Should you sell your vehicle one day, be sure to delete the stored programs beforehand for your safety, refer to page 94.

To prevent possible damage or injury, before programming or using the integrated universal remote control, always inspect the immediate area to make certain that no people, animals or objects are within the travel range of the device. Also, comply with the safety precautions of the original hand-held transmitter.◀

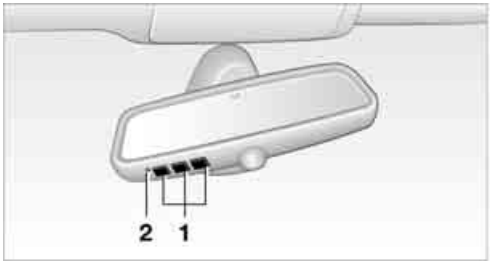
Checking compatibility

If you see this symbol on the packaging or in the manual supplied with the original hand-held transmitter, it is safe to assume that it is compatible with the integrated universal remote control.

If you have additional questions, please contact your BMW center or call: 1-800-355-3515.
Information is also provided on the Internet at: www.bmwusa.com or www.homelink.com.

HomeLink is a registered trademark of Johnson Controls, Inc.◀

Programming



1 Memory buttons

2 LED

Fixed-code hand-held transmitters

1. Switch on ignition, refer to page 53.
2. When starting operation for the first time: Press both outer memory buttons **1** for approx. 20 seconds until the LED **2** flashes. All stored programs are deleted.
3. Hold the original hand-held transmitter at a distance of approx. 2 in/5 cm to 8 in/20 cm from the memory buttons **1**.

   The required distance between the hand-held transmitter and the memory buttons **1** depends on the relevant system of the original hand-held transmitter used.◀
4. Simultaneously press the transmit key on the original hand-held transmitter and the desired memory button **1** on the integrated universal remote control. The LED **2** flashes slowly at first. As soon as the LED **2** flashes rapidly, release both buttons. If the LED **2** does not flash rapidly after approx. 15 seconds, alter the distance.
5. To program other original hand-held transmitters, repeat steps 3 and 4.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

The corresponding memory button **1** is now programmed with the signal of the original hand-held transmitter.

You can operate the system when the engine is running or when the ignition is switched on.

If the device can not be used after repeated programming, check whether the original hand-held transmitter uses an alternating-code system. To do so, either read the instructions for the original hand-held transmitter or hold down the programmed memory button **1** of the integrated universal remote control. If the LED **2** on the integrated universal remote control flashes rapidly for a short time and then remains lit for approx. 2 seconds, this indicates that the original hand-held transmitter uses an alternating-code system. In the case of an alternating-code system, program the memory buttons **1** as described at Alternating-code transmitters.◀

Alternating-code transmitters

To program the integrated universal remote control, consult the operating instructions for the equipment to be set. You will find information there on the possibilities for synchronization.
When programming hand-held transmitters that employ an alternating code, please observe the following supplementary instructions:

Programming will be easier with the aid of a second person.◀

1. Park your vehicle within the range of the remote-controlled device.
2. Program the integrated universal remote control as described above in the section Fixed-code hand-held transmitters.
3. Locate the button on the receiver of the device to be set, e.g. on the drive unit.
4. Press the button on the receiver of the device to be set. After step 4, you have approx. 30 seconds for step 5.
5. Press the programmed memory button **1** of the integrated universal remote control three times.

The corresponding memory button **1** is now programmed with the signal of the original hand-held transmitter.

If you have any additional questions, please contact your BMW center.◀

Deleting stored programs

Press both outer memory buttons **1** for approx. 20 seconds until the LED **2** flashes:
All stored programs are deleted.

Individual programs cannot be deleted.

Sun blinds*

Sun blind for rear window

Press the button on the driver's door.

Sun blinds for rear side windows

Pull the loop of the roller sun blind and hook onto bracket.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Glove compartment

Opening

Pull the handle. The light in the glove compartment switches on.

To prevent injury in the event of an accident while the vehicle is being driven, close the glove compartment immediately after use.◀

Closing

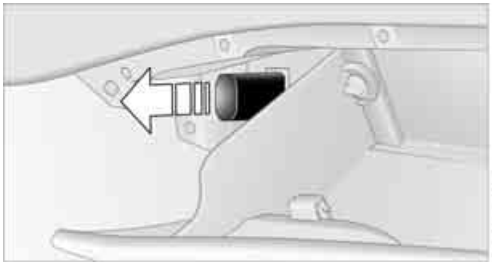
Fold the cover up.

Locking

Lock with a key.

If you only hand over the remote control without the integrated key, e.g. for valet parking, refer to page 28, the glove compartment cannot be unlocked.◀

Rechargeable flashlight



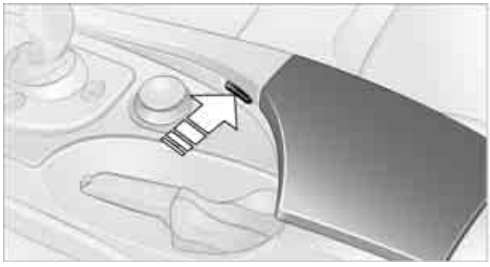
The flashlight is located on the left side of the glove compartment.
The flashlight can remain plugged in continuously. Pull the flashlight out of the socket when needed.

To avoid possibly damaging the lamp, always ensure that it is switched off before inserting it in the socket.◀

Front center armrest

The compartment is the center armrest is divided into two sections.

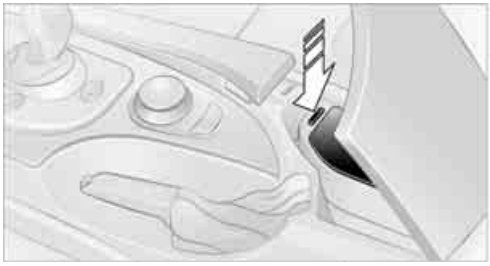
Opening cover



Press the button. The cover opens somewhat and can be folded upwards.

Depending on vehicle equipment, the upper section contains a compartment with a mat that can be removed for cleaning or a telephone cradle*.

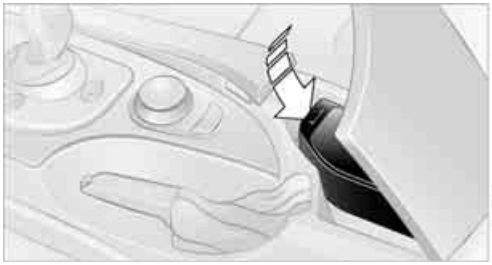
Opening upper compartment



Press button and fold cover upward.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Accessing lower compartment



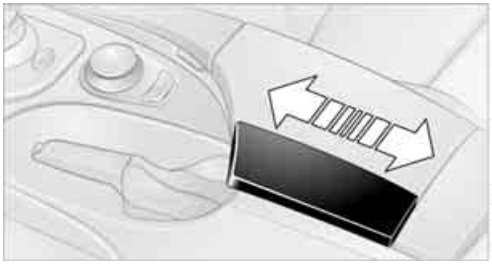
Press the button at the front and fold the upper compartment or the telephone cradle upward.

Ventilating lower compartment

Push the slide in the lower compartment upward.

Depending on the automatic climate control setting, the temperature inside the ventilated compartment may be higher than in the rest of the interior. Should this be the case, push the slide downward to close off the ventilation.◀

Adjusting



Push the illustrated section of the center armrest into the desired position.

Connection for external audio device

You can connect an external audio device, e.g. a CD or an MP3 player, and play the sound via the vehicle loudspeakers, refer to page 151.

Storage compartments

There are other storage compartments in the doors as well as in the front and rear center console.

Storage nets are located on the backrests of the front seats, and a net* is provided in the front passenger footwell.

Do not stow hard or sharp-edged objects in the storage nets or the net, otherwise there is an increased risk of injury in an accident.◀

Clothes hooks

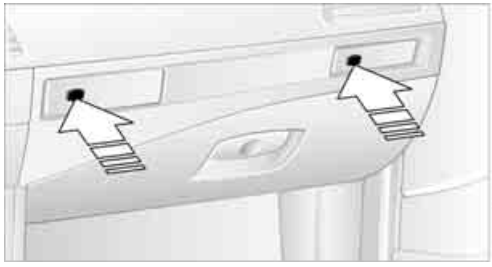
Clothes hooks are located near the grab handles in the rear.

When hanging clothing on the hooks, ensure that it will not obstruct the driver's vision. Do not hang heavy objects on the hooks. If you do so, they could cause personal injury to occupants during braking or evasive maneuvers.◀

Cup holders

Do not place containers made of glass in the cup holders. This would lead to an increased risk of injury in the event of an accident.◀

Opening



Briefly press the button.

Closing

Press the cover in the center and push in the cup holder.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Ashtray, front

Opening

Slide back the cover.

Emptying

Push the ashtray toward the front: the ashtray lifts and can be removed.

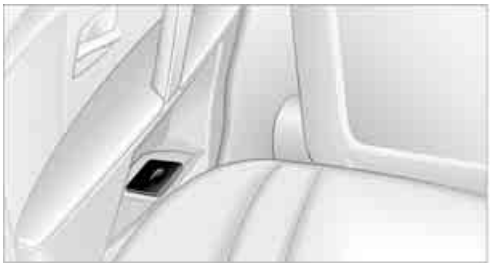
Cigarette lighter, front

Press in the lighter with the engine running or the ignition switched on.

The lighter can be removed as soon as it pops back out.

Hold or touch the hot cigarette lighter by the knob only. Holding or touching it in other areas could result in burns.
Always take along the remote control when you leave the vehicle, otherwise children could, for example, use the lighter and burn themselves.◀

Ashtray, rear



Emptying

Press the entire cover down. The ashtray rises and can be removed.

Cigarette lighter, rear

Refer to Cigarette lighter, front.

Connecting electrical devices

Sockets

With the engine running or the ignition switched on, the cigarette lighter socket can be used as a power outlet for hand flashlights, car vacuum cleaners, etc., with power ratings of up to approx. 200 W at 12 V. Avoid damaging the socket due to inserting plugs of different shapes or sizes. The same is true for all power outlets in the vehicle.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

In front passenger footwell

Access to socket:
Fold open the cover.

In the rear center console

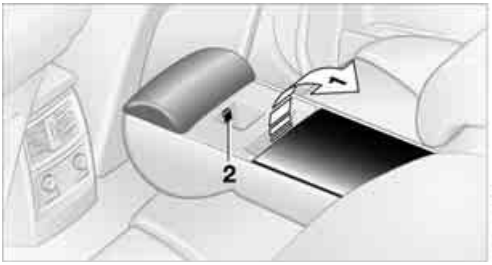
Depending on the equipment, the sockets in the rear are covered with caps or equipped with a lighter. Refer to Cigarette lighter, front, page 97.

Access to socket:
Remove respective cap or lighter.

In luggage compartment

Access to socket:
Fold open the cover.

Center armrest, rear



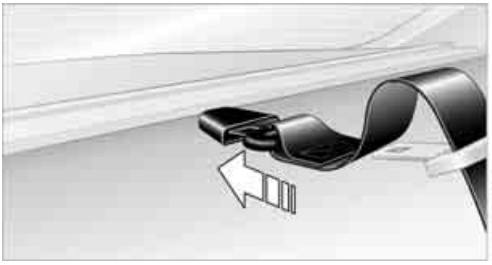
Storage tray:
Pull the cover upward, arrow **1**.

Access to cup holders:
Press the button **2** and open the cover

Through-loading system*

Opening

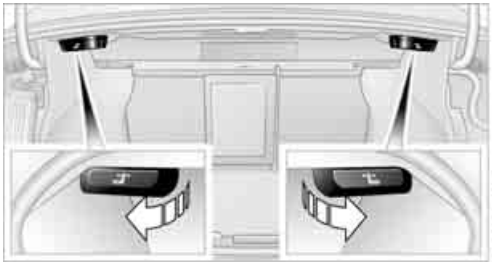
1. Open the buckle of the center safety belt in the rear and insert the latch plate at the end of the belt into the fixture on the rear window shelf.



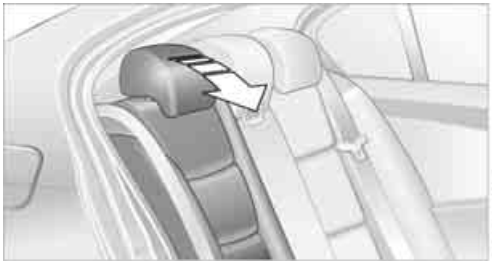
2. Push the corresponding head restraint down as far as it will go, refer to page 44.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

3. To unlock the rear seat back, pull the corresponding lever in the luggage compartment.



4. The unlocked rear seat back moves forward slightly. Fold the seat back forward by the head restraint.



Closing

1. Fold the rear seat back into the seating position and engage.

When you return the seat to its upright position, make sure that the retainer engages properly. If it is not properly engaged, transported cargo could enter the vehicle during braking or evasive maneuvers and endanger the vehicle occupants.◀

2. Release the latch plate from the bracket on the rear window shelf and insert it into the buckle of the center safety belt. The latch plate must audibly engage.

The lashing eyes in the luggage compartment provide you with a way to attach luggage compartment nets* or flexible straps for securing suitcases and luggage, refer to page 108.

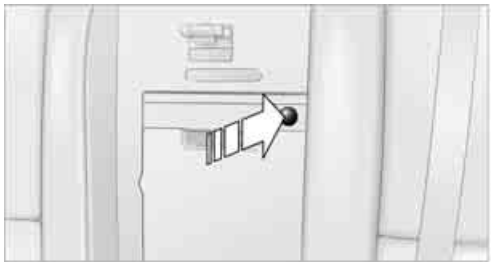
Ski bag*

Designed for safe, clean transport of up to 4 pairs of standard skis or up to 2 snowboards.

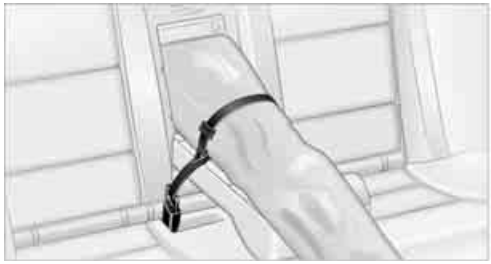
With the ski bag you can stow skis with a length of up to 6.9 ft/2.10 m. When skis of 6.9 ft/2.10 m in length are loaded, the ski bag will tend to contract, reducing its overall capacity.

Loading

1. Fold down the center armrest, press the button and open the cover.



2. Press the button again; the cover in the luggage compartment opens. If you press the button firmly the first time, this also opens the cover in the luggage compartment.
3. Extend the ski bag between the front seats and fill it. The zipper facilitates access to the stowed items and drying of the ski bag.
4. Insert the latch plate of the ski bag retaining strap into the center safety belt buckle that is marked CENTER.



Only stow clean skis in the ski bag. Wrap sharp edges to prevent damage.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Securing cargo

After loading, secure the ski bag and its contents. Tighten the retaining strap on the tensioning buckle for this purpose.

Secure the ski bag in this way. If you fail to do so, it could endanger occupants during braking or evasive maneuvers.◀

To store the ski bag, perform the above steps in reverse order.

Removing ski bag

The ski bag can be completely removed, e.g. for faster drying or to allow you to put it to other uses.

1. Pull the handle forward and pull the ski bag up and out.
2. Close the cover in the luggage compartment.

Your BMW center will be glad to provide you with more detailed information on the various items of equipment.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Driving tips

This section is designed to provide you with extra support by supplying information useful in dealing with specific driving and operating conditions.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Things to remember when driving

Break-in period

Moving parts need breaking-in time to adjust to each other. To ensure that your vehicle continues to provide optimized economy of operation throughout an extended service life, we request that you devote careful attention to the following section.

Do not use the driving programs 5 and 6, refer to Drivelogic on page 57, during break-in.

Engine and differential

Always obey all official speed limits.

Up to 1,200 miles/2,000 km

Drive at changing engine and driving speeds, however do not exceed 5,500 rpm or 105 mph/170 km/h.

Avoid full-throttle operation and use of the transmission's kick-down mode during these initial miles.

From 1,200 miles/2,000 km to 3,000 miles/5,000 km

The engine and driving speed can gradually be increased up to a continuous vehicle speed of 135 mph/220 km/h. Only drive at top speed briefly, e.g. when passing.

Transmission

The function of the transmission is only at its optimized level after driving a distance of approx. 300 miles/500 km. Do not exceed engine speeds of 5,500 rpm during this time.

Tires

Due to technical factors associated with their manufacture, tires do not achieve their full traction potential until after an initial break-in period. Therefore, drive reservedly during the first 200 miles/300 km.

Brake system

Brakes require an initial break-in period of approx. 300 miles/500 km to achieve optimized contact and wear patterns between brake pads and rotors. Drive in a reserved manner during this break-in period.

Clutch

The function of the clutch is only at its optimized level after a distance driven of approx. 300 miles/500 km.

Following part replacement

Observe the break-in instructions again if components mentioned above must be replaced after subsequent driving operation.

General driving notes

Closing luggage compartment lid

Operate the vehicle only when the luggage compartment lid is completely closed. Otherwise, exhaust fumes could enter the interior of the vehicle.◀

If special circumstances should make it absolutely necessary to operate the vehicle with the luggage compartment lid open:

1. Close all windows and the glass sunroof.
2. Increase the air volume of the automatic climate control to a high level, refer to page 89.

Hot exhaust system

As in all vehicles, extremely high temperatures are generated on the exhaust system. Do not remove the heat shields installed adjacent to it, and never apply undercoating to them. When driving, standing at idle and while parking take care to avoid possible contact between the hot exhaust system and any highly flammable materials such as hay, leaves, grass, etc. Such contact could lead to a fire, and with it

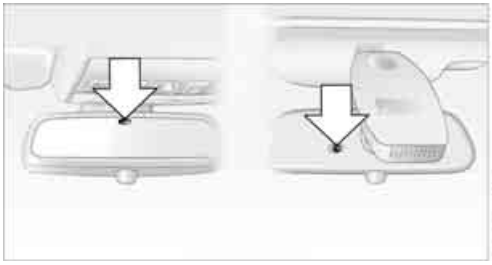
Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

the risk of serious property damage as well as personal injury.◀

Mobile communications devices in vehicle

BMW discourages the use of mobile communications devices, e.g. mobile phones, inside the vehicle without a direct connection to an outside antenna. Otherwise, the vehicle electronics and mobile communication device can influence one another. In addition, there is no assurance that the radiation which results from transmission will be dissipated from the vehicle interior.◀

Interior and exterior mirrors, automatic dimming feature*



This feature is controlled by two photocells in the inside rearview mirror. One is integrated into the glass of the mirror, while the other is located at an offset position on the rear of the mirror housing.

For trouble-free operation, keep the photocells clean and do not cover the area between the interior rearview mirror and the windshield. Do not attach stickers of any kind to the windshield in front of the mirror, either.

Hydroplaning

When driving on wet or slushy roads, reduce road speed. If you do not, a wedge of water can form between tires and road surface. This phenomenon is referred to as hydroplaning, and is characterized by a partial or complete loss of contact between the tires and the road surface, ultimately undermining your ability to steer and brake the vehicle.◀

The risk of hydroplaning increases as the tread depth of the tires decreases, refer also to Minimum tire tread on page 178.

Driving through water

Do not drive through water on the road if it is deeper than 1 ft/30 cm, and then only at walking speed at the most. Otherwise, the vehicle's engine, the electrical systems and the transmission may be damaged.◀

Starting off

On slopes

The starting assistant enables starting off on slopes virtually without rolling back.

1. Hold the vehicle with the footbrake.
2. Make sure that the handbrake is released.
3. Release the footbrake and immediately drive off quickly.

The starting assistant holds the vehicle for approx. 1 second after releasing the footbrake. Depending on the load, the vehicle may also roll back slightly during this time. After releasing the footbrake, immediately start quickly, otherwise the starting assistant no longer holds the vehicle after approx. 1 second and it begins to roll back.◀

Start off quickly on slopes. Do not hold the vehicle on a hill by pressing the accelerator, but apply the footbrake or handbrake instead. Otherwise overheating and heavy wear can result in the area of the Sequential Manual Transmission.◀

To protect the clutch of the Sequential Manual Transmission from overheating, the starting-off behavior is changed under heavy loading, e.g. a rapid succession of starts on slopes. This can be noticed from shaking during starting off.

On a slippery surface

1. Select program "P 400" of M Engine Dynamic Control, refer to page 58.
2. Gently press accelerator pedal to prevent wheels from spinning when starting off.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Braking safely

Your BMW is equipped with ABS as a standard feature. In situations that require it, it is best to brake with full force. Since the vehicle maintains steering responsiveness, you can still avoid possible obstacles with a minimum of steering effort.

The pulsing of he brake pedal indicates that the ABS is controlling braking.

In certain braking situations the perforated brake rotors can cause operating noises which, however, have not effect on the performance and operating safety of the brake system.

Do not drive with your foot resting on the brake pedal. Even light but consistent pedal pressure can lead to high temperatures, brake wear and possibly even brake failure.◀

Driving in wet conditions

When roads are wet or there is heavy rain, briefly exert gentle pressure on the brake pedal every few miles. Monitor traffic conditions to ensure that this maneuver does not endanger other road users. The heat generated in this process helps dry the pads and rotors to ensure that full braking efficiency will then be available when you need it.

Hills

To prevent overheating and the resulting reduced efficiency of the brake system, drive long or steep downhill gradients in the gear in which the least braking is required. Even light but consistent pressure on the brake pedal can lead to high temperatures, brake wear and possibly even brake failure.◀

Do not drive in idle or with the engine switched off, otherwise there will be no engine braking action or support of the braking force and steering.
Never allow floor mats, carpets or any other objects to protrude into the area of movement of the pedals and impair their operation.◀

Corrosion on brake rotors

When the vehicle is driven only occasionally, during extended periods when the vehicle is not used at all, and in operating conditions where brake applications are less frequent, there is an increased tendency for corrosion to form on rotors, while contaminants accumulate on the brake pads. This occurs because the minimum pressure which must be exerted by the pads during brake applications to clean the rotors is not reached.

Should corrosion form on the brake rotors, the brakes will tend to respond with a pulsating effect that even extended application will fail to cure.

When vehicle is parked

Condensation forms in the air conditioner system during operation, and then exits under the vehicle. Traces of condensed water under the vehicle are therefore normal.

Before driving into a car wash

Fold in the exterior mirrors, refer to page 46, otherwise they could be damaged due to the width of the vehicle.

General information on the care and maintenance of your BMW is contained in the Caring for your vehicle brochure.

Ground clearance

Ensure that sufficient ground clearance is available. To drive down curbs, select the "Sport" program of the EDC Electronic Damping Control, refer to page 76, to keep the ground clearance as uniform as possible. Otherwise the vehicle may be damaged.◀

Cargo loading

To avoid loading the tires beyond their approved carrying capacity, never overload the vehicle. Overloading can lead to overheating and increases the rate at which damage develops inside the tires. The ultimate result can assume the form of a sudden blow-out.◀

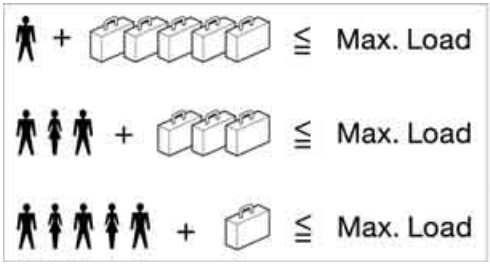
Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Determining loading limit

1. Locate the following statement on your vehicle's placard*:

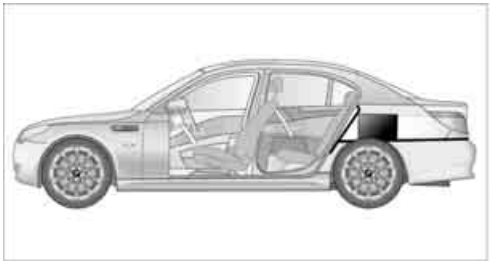
   The combined weight of occupants and cargo should never exceed XXX lbs. or YYY kg. Otherwise, this could damage the vehicle and produce unstable vehicle operating conditions.◀
2. Determine the combined weight of the driver and passengers that will be riding in your vehicle.
3. Subtract the combined weight of the driver and passengers from XXX lbs. or YYY kg.
4. The resulting figure equals the available amount of cargo and luggage load capacity. For example, if the XXX amount equals 1,400 lbs. and there will be five 150-lb. passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs.:
   1,400 lbs. minus 750 lbs. = 650 lbs.
5. Determine the combined weight of luggage and cargo being loaded on the vehicle. That weight may not safely exceed the available cargo and luggage load capacity calculated in step 4.
6. If your vehicle will be towing a trailer, part of the load from your trailer will be transferred to your vehicle. Consult the manual for transporting a trailer to determine how this may reduce the available cargo and luggage load capacity of your vehicle.

Load



The permissible load is the total of the weight of occupants and cargo/luggage. The greater the weight of occupants, the less cargo/luggage can be transported.

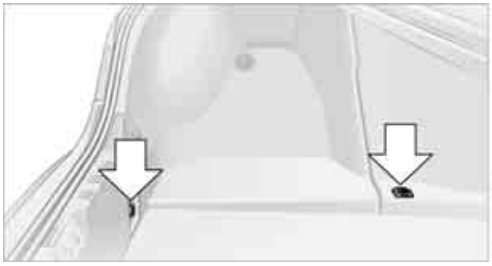
Stowing cargo



- Load heavy cargo as far forward and as low as possible, placing it directly behind the seat back.
- Cover sharp edges and corners.
- For very heavy cargo when the rear seat is not occupied, secure each safety belt in the opposite buckle.
- Do not pile objects higher than the top edge of the backrest.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Securing cargo



- Use the luggage net*, luggage straps, or securing straps to hold down small and lightweight luggage and cargo.
- Heavy-duty cargo straps* for securing larger and heavier objects are available at your BMW center. Four lashing eyes mounted in the luggage compartment or cargo area are used to secure these heavy-duty cargo straps, refer to illustration.
- Please observe the special instructions supplied with the heavy-duty cargo straps.

Always position and secure the load as described above. If you do not, it can endanger the passengers during braking or evasive maneuvers.
Use only the lashing eyes to secure heavy-duty cargo straps, refer to illustration, otherwise the cargo straps could become detached or the vehicle could be damaged.
Never exceed either the approved gross vehicle weight or either of the approved axle loads, refer to page 204 ff., as excessive loads can pose a safety hazard, and may also place you in violation of traffic safety laws.
You should never transport heavy or hard objects unsecured in the passenger compartment, as they could fly around and pose a safety hazard to the vehicle's occupants during abrupt braking or evasive maneuvers.◀

Roof-mounted luggage rack*

A special rack system is available as an option for your BMW. Please comply with the precautions included with the installation instructions.

Mounting points

The mounting points are located in the door openings.

Loading roof-mounted luggage rack

Because roof racks raise the vehicle's center of gravity when loaded, they have a major effect on its handling and steering response.
You should therefore always remember not to exceed the approved roof load capacity, the approved gross vehicle weight or the axle loads when loading the rack.

You can find the specified weights under Weights on page 204 ff.

The load on the roof must be evenly distributed and must not extend outward beyond the limits of the loading surface. Always stow the heaviest pieces at the bottom. Be sure that adequate clearance is maintained for raising the glass sunroof, and that objects do not project into the opening path of the luggage compartment lid.

Secure roof-mounted cargo correctly and securely to prevent it from shifting or falling off during the trip.

Drive smoothly. Avoid sudden acceleration and braking maneuvers. Take corners gently.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Navigation

This chapter describes how you can enter destinations and specify your route so that your navigation system guides you reliably to your destination.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

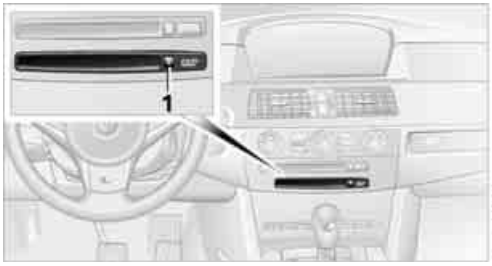
Starting navigation system*

Your navigation system can use satellites to ascertain the precise position of your vehicle and guide you reliably to any destination you enter.

Navigation DVD

The navigation system requires a special navigation DVD. The latest version is available at your BMW center.

Inserting navigation DVD



1. Insert the navigation DVD with the labeled side up. The DVD is automatically pulled in.
2. Allow several seconds for the system to scan the data from the DVD.

Removing navigation DVD

1. Press button **1**.
   The DVD emerges slightly from the drive.
2. Remove the DVD.

If the DVD is not ejected from the drive, it is possible that it is blocked. A message appears on the Control Display.

Display in assistance window

You can display the route or the current position in the assistance window. This display remains visible even if you change to another application.

1. Move the controller to the right to enter the assistance window.

2. Press the controller.
   Other menu items are displayed.
3. Select the desired route view or "Current position".

4. Press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Destination entry

In entering your destination you can select from among the following options:

- Entering a destination manually, see below
- Entering destination via voice*, refer to page 116
- Selecting destination using information, refer to page 118
- Selecting destination from a list, refer to Destination list, page 119
- Selecting destination from address book, refer to page 120
- Selecting home address, refer to page 122

After selecting your destination you can proceed to start the destination guidance, refer to page 124.

Operating navigation system

Enter data only when the vehicle is stationary, and always give priority to the applicable traffic regulations in the event of any contradiction between traffic and road conditions and the instructions issued by the navigation system. If you do not observe this precaution, you may be in violation of the law, and can endanger vehicle occupants and other road users.◀

iDrive, for explanation of principle, refer to page 16.

1. Press the **MENU** button.
   This opens the start menu.
2. Move the controller to the right to open "Navigation".

3. Select "Navigation" and press the controller.

Entering a destination manually

The system's word matching principle makes it easier for you to enter the names of streets or towns, refer to page 123. This allows you to enter different spellings and completes your entry automatically so that stored names can be called up quickly.

1. Change to upper field if necessary. Turn the controller until "Navigation" is selected and press the controller.
   "New destination" is selected.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

2. Press the controller.

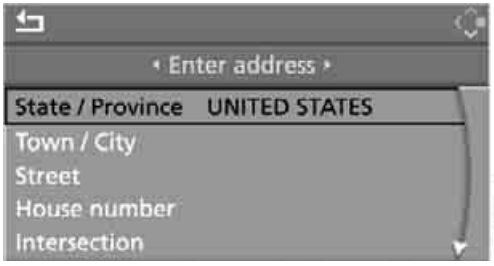
3. Select "Enter address" and press the controller.

The system also supports you with the following features:

- If you do not enter a street, the system will guide you to the downtown area of a town or city.
- You can skip the entry of country and locality if the current entries should be retained for your new destination.

Selecting country

1. Select "State / Province" or the displayed country and press the controller.



The list of available countries appears on the display.

2. Select the country of destination and press the controller.

In order to be able to start the destination guidance, at least the town/city of the destination or its zip code must be entered.

Entering destination via town/city name

1. Select "Town / City" or the displayed town/city and press the controller.
2. Select the starting letter and press controller.
   A list of all towns/cities starting with this letter appears on the Control Display.
3. To delete the letter entered if necessary:

- Delete individual numbers or letters:
  Move the controller toward the right to select ⟵ and press the controller.
- Delete all numbers or letters:
  Move the controller toward the right to select ⟵ and hold the controller down.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

4. If necessary, input more letters.
The list gradually grows smaller each time you enter a new letter.
   - ▷ Enter blank space if necessary:
Select the _ symbol and press the controller.

5. Change to the third field from the top if necessary. Turn the controller until the town or city name is selected from the list and press the controller.

Entering destination by zip code

1. Select "Town / City" and press the controller.
2. Enter the zip code:
Select the desired digits and press the controller.

   - ▷ Enter a blank space:
Select the _ symbol and press the controller.
   - ▷ Delete individual numbers or letters:
Move the controller toward the right to select ⟵, and press the controller.
   - ▷ Delete all numbers or letters:
Move the controller toward the right to select ⟵, and hold the controller down.

3. Select the zip code and press the controller.
The corresponding destination is displayed.
4. Change into the third field from the top.
Turn the controller until the destination is selected and press the controller.

Entering street, house number and intersection

After the street you can also enter the intersection or the house number.

Entering street and intersection

1. Select "Street" or the displayed street and press the controller.
2. Enter the street.
The street is entered exactly like the destination.

The intersection is entered in the same way as the street.

Entering a street without entering destination

You can also enter a street without entering a destination. In this case all streets of the entered country are offered for selection.

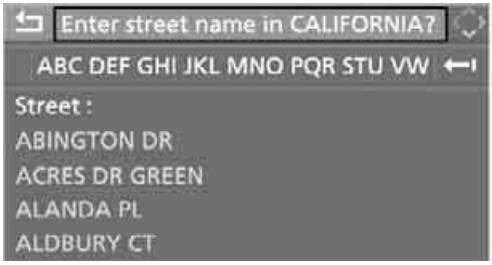
Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

The related town/city is displayed after the street name.

If a town/city has already been entered, you can undo this entry. This may be practical if the desired street does not exist in the entered destination, because, for example, it belongs to another part of the town/city.

1. Change to upper field.
   The arrow is selected.

2. Turn the controller to the right until the request for the entry of a street in the country appears and press the controller.



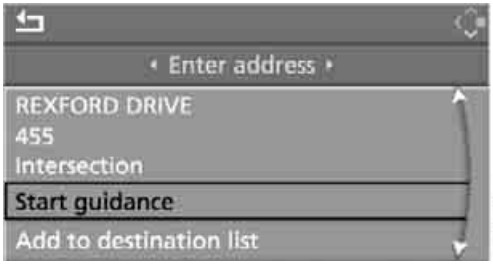
3. Change to the second field from the top and enter the street.

Entering house number

All house numbers stored for the street on the navigation DVD can be entered.

1. Select "House number" and press the controller.
2. Enter the house number:
   Select the desired digits and press the controller.
3. Change into the third field from the top.
   Turn the controller until the house number is selected and press the controller.

Starting destination guidance with manual destination entry



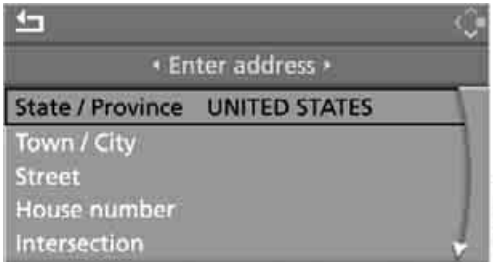
- Select "Start guidance" and press the controller.
  Destination guidance starts immediately.
- If the destination guidance does not need to be started immediately:
  Select "Add to destination list" and press the controller.
  The destination is saved in the destination list, refer to page 119.

Entering destination via voice*

In conjunction with the Professional navigation system, you can enter the desired destination via the voice input system. When entering the destination, it is possible to change between speech input and iDrive at any time. Reactivate the speech input function for this purpose if necessary.

With ›Options‹ you can have the possible commands read aloud.◀

1. Press the button on the steering wheel or in the center console.
2. ›Enter address‹



Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Selecting country

Say country of destination.

Say the name of the destination country in the language of the voice input system.

Entering destination

To enter the destination, spell it using the orthography of the country of destination. Say the letters smoothly and at normal volume, avoiding excessive emphasis and pauses.

1. Spell town/city name:
   Say at least the first three letters of the destination. The more letters you say, the more exactly the system recognizes the town/city.

   The system can suggest up to 20 destinations that match your entries. Up to 6 entries are displayed at once on the Control Display.

A destination is suggested by the system.

2. Select location:
   Select ›Yes‹
   or
   Select other town/city:
   ›No‹
   Select entry, e.g. ›Entry 3‹
   The following options are available:
   ›Next page‹: additional entries of the list are displayed.
   ›Repeat‹: the town/city can be respelled.

The town/city can also be selected from the list via iDrive:
Turn the controller until the destination is selected and press the controller.

Entering street and house number

The street is entered in the same way as the destination.

To enter the house number:

Say the house number.

Up to 4-digit house numbers can be entered.

Starting destination guidance

›Start guidance‹

Destination guidance starts immediately.

Saving destination

The destination is added to the destination list or can be saved in the address book.

›Add to destination list‹ or
›Add to address book‹

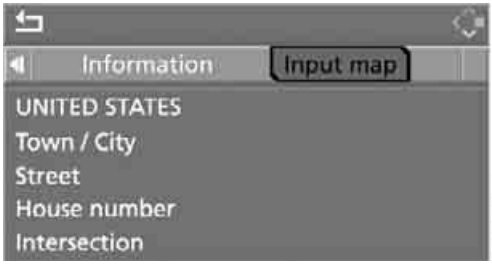
Map-guided destination selection

If you only know the location of the town or street of the destination, then you can input the destination by using a map. You can use the cursor to select the destination on the map and then adopt it into the destination guidance.

1. Select "Navigation" and press the controller.
   "New destination" is selected.
2. Press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

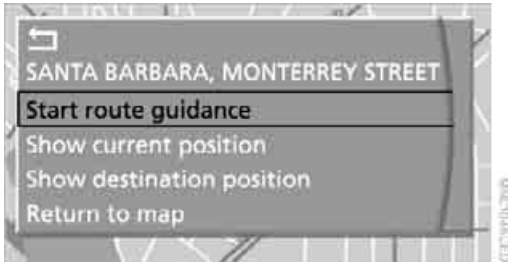
3. Select "Input map" and press the controller.



A section of a map is displayed on the Control Display:

- During destination guidance, around the current destination
- With the destination guidance deactivated, around the last destination entered

4. Select destination with cursor.
   - Changing scale: turn the controller.
   - Moving map: move the controller in the corresponding direction.
     The controller can be moved to the left, right, forward, backwards and also diagonally.
5. To apply or save the destination in the destination guidance system, press the controller.
   The selected destination and other menu items are displayed.
6. Select the desired menu item:
   - "Start route guidance" starts destination guidance.
   - "Show current position" places the current position in the center of the map.
   - "Show destination position" places the current destination in the center of the map.
   - "Return to map" changes back to the "Input map".
   - Exit the menu.



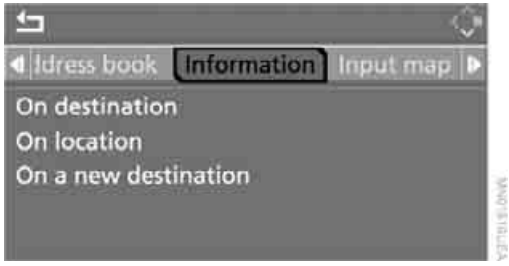
7. Press the controller.

The map for the destination entry can also be displayed in the map display:
Select the symbol and press the controller.

Selecting destination using information

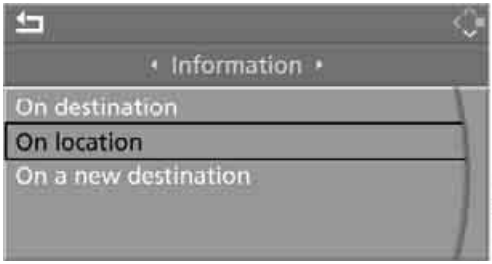
You can obtain a display of selected destinations, e.g. hotels, sights or hospitals, and adopt them into the destination guidance.

1. Select "Navigation" and press the controller.
   "New destination" is selected.
2. Press the controller.
3. Select "Information" and press the controller.



Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

4. Select location:
   - ▷ "On destination"
   - ▷ "On location"
   - ▷ "On a new destination"



5. Press the controller.
6. Make your selection, e.g. "Hotels and restaurants", and press the controller.
   These destinations are displayed on the Control Display.

ccommodations Hotels and Motels
0.3 km CLUB QUARTERS
0.4 km REGENT WALL STREET HOTEL
0.4 km REGENT INTERNATIONAL H...
0.4 km MARRIOTT-FINANCIAL CENT...
0.4 km NEW YORK MARRIOTT FNCL...

7. Select a destination and press the controller.
8. Select a menu item:
   - ▷ To accept the address into the destination list and start the destination guidance:
     Select "Select as destination" and press the controller.
   - ▷ To establish a telephone connection:
     Select "Call" and press the controller.

To exit from the menu:
Select the arrow and press the controller.

Destination list

The last 20 entered destinations are shown in the destination list. You can display these destinations and apply them in the destination guidance system.
For example, to plan a longer route, you can store all destinations you want to drive to in advance in the destination list, refer to Entering a destination manually on page 113.

Select "Navigation" and press the controller.

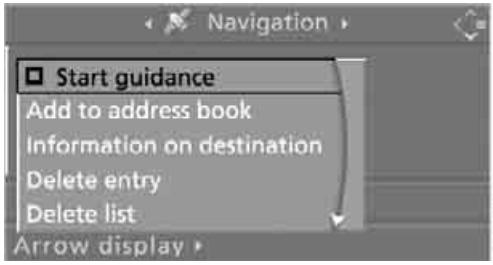
The last destination entered is the first item in the destination list.

This symbol indicates the current destination during destination guide.

To display additional destinations from the destination list:
Turn the controller.

Applying destination in destination guidance system

1. Select the desired destination and press the controller.
2. Select "Start guidance" and press the controller.



Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

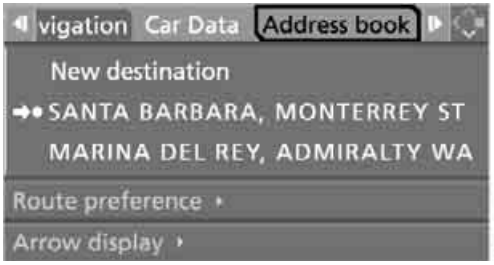
Editing destination list

1. Select the desired destination in the destination list and press the controller.
2. The selected destination can be edited:
   - ▷ Save entry:
     Select "Add to address book".
   - ▷ Display information on destination:
     Select "Information on destination".
   - ▷ Delete entry:
     Select "Delete entry".
   - ▷ Delete all entries:
     Select "Delete list". The destination guidance is switched off.
   - ▷ Change entry:
     Select "Edit". For operation, refer to Entering destination via town/city name, page 114.
3. Press the controller.

Address book

Opening address book

iDrive, for explanation of principle, refer to page 16.

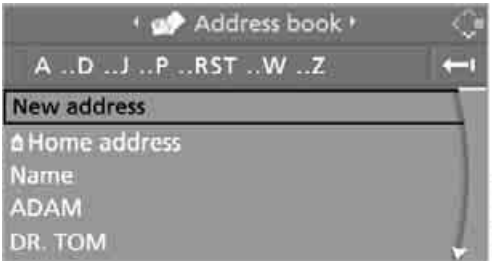


Select "Address book" and press the controller.

Storing destinations in address book

You can store approx. 100 destinations in the address book.

1. Select "Address book" and press the controller.
2. Select "New address" and press the controller.



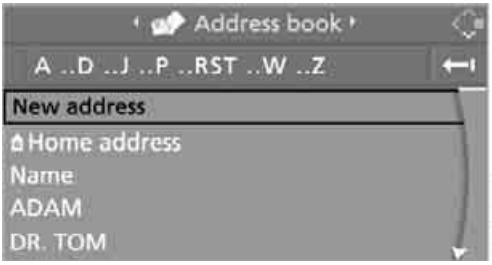
3. Select "Enter address" and press the controller.
4. Enter name and address.
5. Select "Store in address book" and press the controller.
   The entry is stored in the address book.

You can also save a destination from the destination list into the address book, refer to page 119.

Storing current position*

The current position can be adopted into the address book.

1. Select "Address book" and press the controller.
2. Change into the third field from the top. Turn the controller until "New address" is selected and press the controller.



3. Select "Use current location as address" and press the controller.
   The name given can be changed. For operation, refer to Entering a destination manually, page 113.

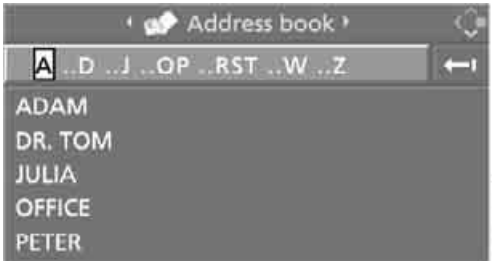
Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

4. Select "Store in address book" and press the controller.

You can also enter your current position into the address book if you have left the sector covered by the navigation DVD. In this case, you must enter a name.

Selecting destinations from address book

1. Select "Address book" and press the controller.
   The stored entries appear on the Control Display.



2. Select the entry and press the controller.

To start the destination guidance:
Select "Start guidance" and press the controller.

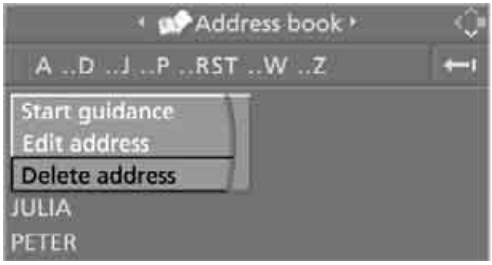
Changing destinations from address book

1. Select "Address book" and press the controller.
2. Select the entry and press the controller.
3. Select "Edit address" and press the controller.

4. Change entry.
   For operation, refer to Entering a destination manually, page 113.

Deleting individual destinations from address book

1. Select "Address book" and press the controller.
2. Select the entry and press the controller.
3. Select "Delete address" and press the controller.



Deleting all destinations from address book

1. Open the start menu.
2. Press the controller to open the i menu.
3. Select "Vehicle settings" and press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

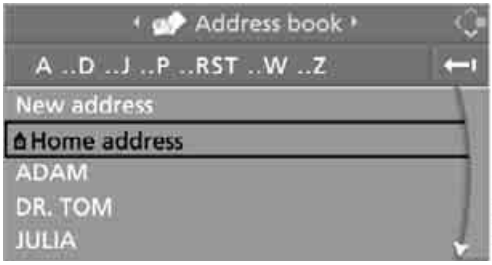
4. Select "Delete data" and press the controller.

5. Select "Delete address book" and press the controller.
6. Select "Yes" and press the controller.

Storing home address

You can save your current position or the current destination as the home address in the address book. This entry occupies the second position in the address book.

1. Select "Address book" and press the controller.
2. Change into the third field from the top. Turn the controller until "Home address" is selected and press the controller.



3. Select "Use current location as address", or "Save current destination" during the destination guidance, and press the controller.

To accept the home address as the destination:

1. Select "Home address" and press the controller.
2. Select "Start guidance" and press the controller.

To change the entry:

1. Select "Home address" and press the controller.
2. Select "Edit address" and press the controller. For operation, refer to Entering a destination manually, page 113.

Selecting route

You can influence the calculated route by choosing certain route criteria. You can change the route criteria as often as you like while entering the destination and whenever the destination guidance is active.

The route is planned according to fixed rules. The type of road is taken into account, e.g. whether it is a highway or a winding road. The road types are stored on the navigation DVD. As a result, the routes recommended by the navigation system may not always be the same ones that you would choose based on personal experience.

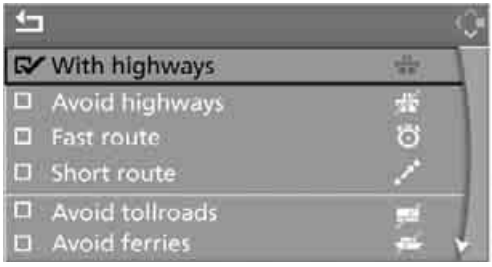
Changing route criteria

1. Select "Navigation" and press the controller.
2. Change into the third field from the top. Turn the controller until "Route preference" is selected and press the controller.

The various criteria are listed on the Control Display.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

3. Select a route criterion for the route:
   - ▷ "With highways"
     Freeways and major traffic arteries are given priority
   - ▷ "Avoid highways"
     Freeways are avoided where possible
   - ▷ "Fast route"
     The short traveling time, being a combination of the shortest possible route and the fastest roads
   - ▷ "Short route"
     Short route, irrespective of how fast or slow progress will be
4. Press the controller.



The route criterion is highlighted.

5. If necessary, select an additional route criterion and then press the controller:
   - ▷ "Avoid tollroads"
     Tollroads are avoided where possible.
   - ▷ "Avoid ferries"
     Ferries are avoided where possible.

To exit the menu:
Select the arrow and press the controller.

The route criteria can also be changed in the map view:

1. Select the symbol for the route criterion and press the controller.
2. Select a route criterion and press the controller.

Word matching principle

The system supports the word matching principle to make it easier for you to enter the names of streets or towns. The system runs ongoing checks, comparing your destination entries with the data stored on the navigation DVD as the basis for instant response. The user benefits include:

- ▷ Names of specific locations can also vary from the official versions if you are using a spelling that is customary in another country.

  Example:

  Instead of "München", you can also enter the English spelling "Munich" or the Italian spelling "Monaco".
- ▷ When you are entering the names of towns and streets the system will complete them automatically as soon as enough letters are available to ensure unambiguous identification.
- ▷ The system only accepts name entries beginning with letters that are stored on the navigation DVD. The system will not accept non existent names and addresses.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

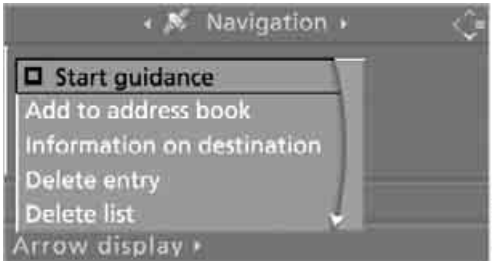
Destination guidance

Starting destination guidance

iDrive, for explanation of principle, refer to page 16.

1. Change to upper field if necessary. Turn the controller until "Navigation" is selected and press the controller.
2. Select a destination from the destination list and press the controller or enter a new destination, refer to page 113.

3. Select "Start guidance" and press the controller.



After the route has been calculated, destination guidance is indicated by arrows or a map display on the Control Display.

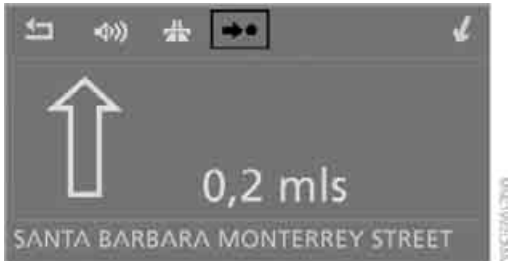
The destination guidance can also be started in the arrow or map display:
Select the symbol and press the controller.

During destination guidance, you can operate other equipment using the iDrive at any time. You will be punctually notified of a change of direction by spoken instructions and the display of the direction arrow.

Terminating/continuing destination guidance

In arrow or map display

Select the symbol and press the controller.

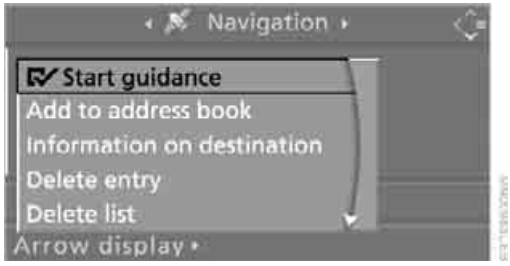


In destination list

This symbol indicates the current destination.

1. Select the current destination and press the controller.

2. Select "Start guidance" and press the controller.



Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

When you park the vehicle before reaching the entered destination, the following the question is displayed before beginning the next trip: "Continue guidance to destination?".

The destination guidance starts automatically after a short time.

To start the destination guidance:
Select "Yes" and press the controller.

Route display

You have the option of displaying various views of the route during destination guidance.

From another menu, you can switch directly to the screen last displayed, refer to Comfort opening of menu items on page 18.◀

Displaying arrow display

1. Select "Navigation" and press the controller.
2. Change into the fourth field from the top. Turn the controller until "Arrow display" is selected and press the controller.

The arrow display is shown.

1 Switching voice instructions on/off
2 Selecting route criteria
3 Starting/ending destination guidance
4 Arrow to destination from a bird's eye view
5 Distance to the next change of direction
6 Current position
7 Direction of travel

- Outline arrow:
  Destination guidance on the calculated route.
- Solid arrow:
  Arrow shows the route to be calculated from a bird's eye view when the vehicle is not located in an area contained on the navigation DVD, e.g. in a multi-level parking lot.

Depending on the equipment, the estimated time of arrival and the distance to the destination are displayed in the top or bottom line of the Control Display.

Before a change in direction, the representation of the arrow changes.

1 Street name for change of direction
2 Distance up to change of direction
3 Change of direction

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

To exit the menu:
Select the arrow and press the controller.

Displaying map display

You can have your current position displayed on a map. After starting the destination guidance, the planned route is shown on the map.

1. Select "Navigation" and press the controller.
2. Change into the fourth field from the top. Turn the controller until the desired map view is selected:
   - ▷ "Map facing north"
   - ▷ "Map direction of travel"
   - ▷ "Perspective"

3. Press the controller.

1 Switching voice instructions on/off
2 Starting/ending destination guidance
3 Map-guided destination selection
4 Showing/hiding information last selected, refer to Selecting destination using information on page 118
5 Changing map display
   - ▷ "Map facing north"
   - ▷ "Map direction of travel"
   - ▷ "Perspective"
6 Changing route criteria
7 Arrow to destination from a bird's eye view

The estimated time of arrival and the distance to the destination are shown in the bottom line of the Control Display.

To exit the menu:
Select the arrow and press the controller.

At scales of less than 250 miles/500 km, you have the option of deciding whether to orient the map to north, toward your current direction of travel, or show the map in perspective. At scales of 250 miles/500 km or greater, the map always points toward north.

Changing map display

Select the corresponding symbol and press the controller.
The next map display is displayed.

Changing scale

Turn the controller to adjust the scale.

Displaying towns/cities and streets of route

You can have the roads and towns along the route displayed during destination guidance.

The distances remaining to be traveled on each individual road are also displayed.

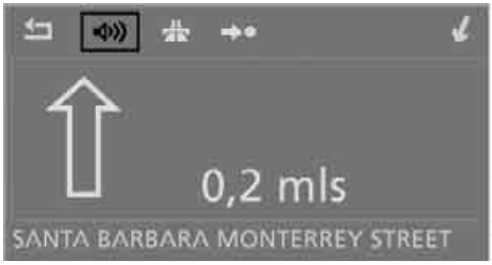
Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

1. Select "Navigation" and press the controller.
2. Change into the third field from the top. Turn the controller until "Route list" is selected and press the controller.

To exit the menu:
Select the arrow and press the controller.

Destination guidance through voice instructions

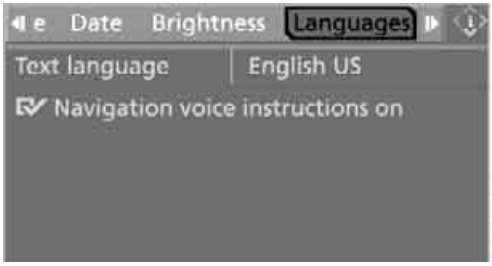
Switching voice instructions on/off



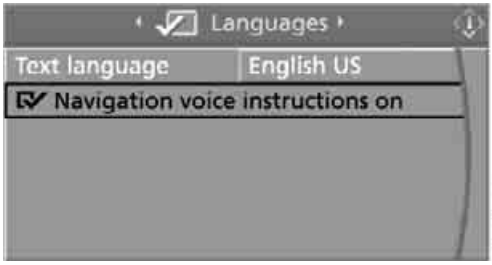
Voice instructions can be switched on or off during the destination guidance in the arrow or map view:
Select the symbol and press the controller.

To switch the voice instructions on and off at any time:

1. Open the start menu.
2. Press the controller to open the i menu.
3. Turn the controller until "Display settings" is selected and press the controller.
4. Change to upper field if necessary. Turn the controller until "Languages" is selected and press the controller.



5. Select "Navigation voice instructions on" and press the controller.



The voice instructions are switched on.

The setting is stored for the remote control currently in use*.

Repeating and canceling voice instructions

With the programmable button on the steering wheel you can also make the following settings, refer to page 47:

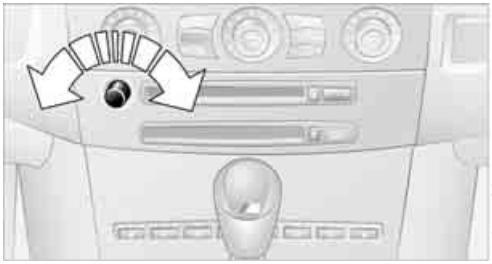
- Repeat the voice instruction:
  Press button.
- Switch voice instructions on/off:
  Hold the button down.

Setting volume of voice instructions

The volume can only be adjusted while a voice instruction is being output.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

1. Repeat the last voice instruction, if necessary.
2. Turn the button during the voice instruction to select the desired volume.



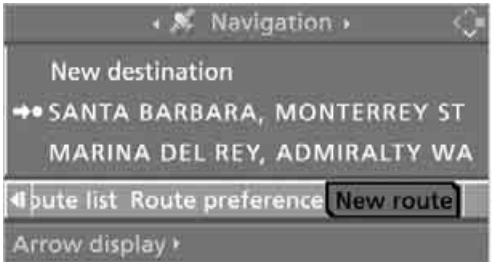
This volume is independent of the volume of the audio sources.

The setting is stored for the remote control currently in use.

Bypassing route sections

During destination guidance, you can revise the navigation system's route recommendations to avoid particular stretches of road. Enter the number of miles/kilometers that you want to travel before returning to the original route.

1. Select "Navigation" and press the controller.
2. Change into the third field from the top. Turn the controller until "New route" is selected and press the controller.



3. Turn the controller to enter the desired number and press the controller.

The route is recalculated.

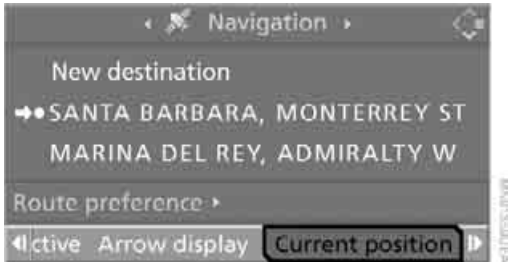
To exit from the menu without changing the route:

Select the arrow and press the controller.

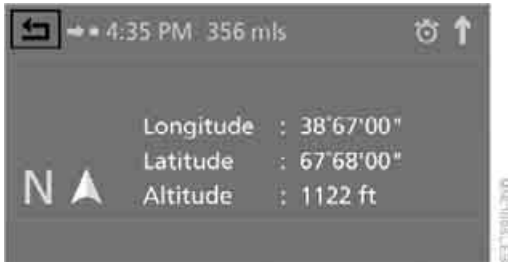
Displaying current position

You can have your current position displayed even when the destination guidance is switched off.

1. Select "Navigation" and press the controller.
2. Change into the fourth field from the top. Turn the controller until "Current position" is selected and press the controller.



The current position of your BMW is displayed.



If the navigation system is unable to identify a town or city, your current map coordinates will appear.

To exit the menu:

Select the arrow and press the controller.

You can also have the current position displayed on a map, refer to page 126.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

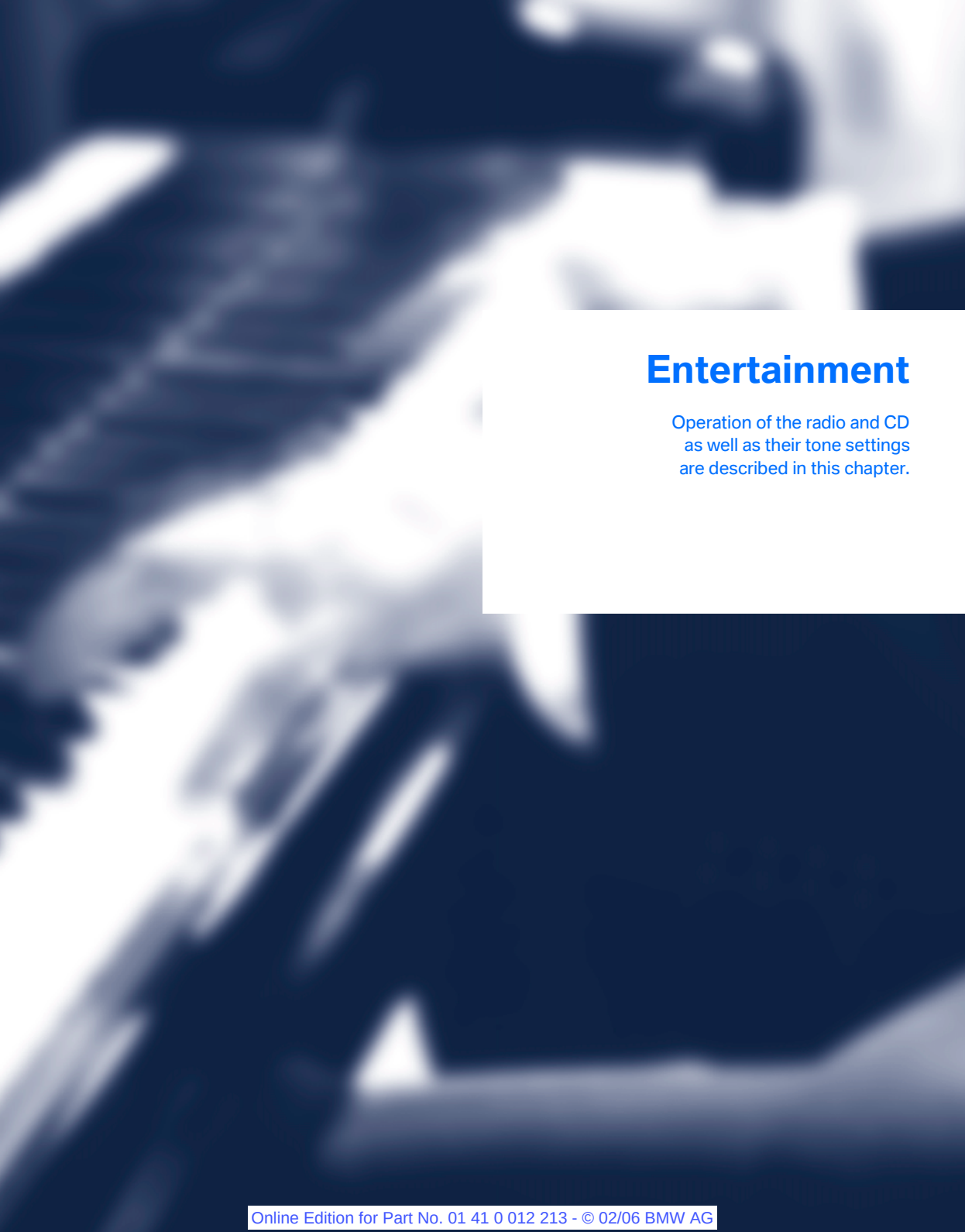
What to do if ...

What to do if ...

- a navigation DVD is inserted, but an instruction to insert the DVD appears on the Control Display?
  The navigation DVD may not be the correct DVD for the navigation system. This information is indicated on the DVD label.
- you request the current position of your vehicle, but do not receive a precise display?
  The system is unable to receive enough GPS signals at your current position due to obstructions, your position is not yet available on your navigation DVD, or the system is in the process of calculating your position. Reception is best when you have an unobstructed view to the sky.
- the destination guidance does not accept a destination?
  The data of the destination is not stored on the navigation DVD that is loaded. Select a destination that is as close as possible to the original.
- the destination guidance does not accept an address without the street name?
  On the navigation DVD, no downtown area can be determined for the city or town entered. Enter any street, or a destination such as the railway station in the selected town, and then start the destination guidance.
- you want to enter a destination for the destination guidance, but it is not possible to select the letters for your desired entry?
  The data of the destination is not stored on the navigation DVD that is loaded. In this case, the system will not offer you any letters to choose from. Select a destination that is as close as possible to the original.
- the system stops furnishing directions on which way to turn as you approach intersections?
  You are driving in an area that has not yet been completely recorded on the navigation DVD. Instead of an arrow indicating a turn, you will see an arrow which indicates the general direction of your planned route. Or you have left the recommended route and the system requires a few seconds to calculate a new recommended route.
- the navigation system does not react to entries?
  If the battery was disconnected, it takes about 10 minutes before the system is once again operational.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG



Entertainment

Operation of the radio and CD as well as their tone settings are described in this chapter.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

On/off and tone

The following audio sources have shared controls and setting options:

- Professional radio* or Business radio
- CD player
- CD changer*

Controls

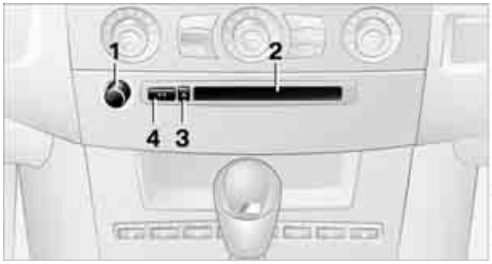
The audio sources can be operated using:

- Buttons in the area of the CD player
- iDrive
- Buttons on steering wheel, refer to page 11

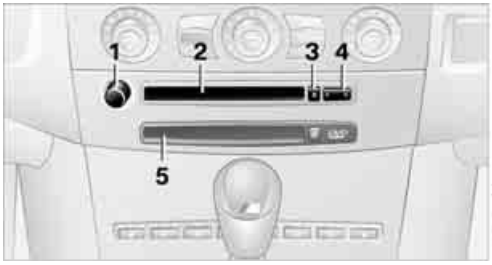
Buttons in area of CD player

The layout of the buttons can vary depending on your vehicle's equipment.

Single drive:



Two drives:

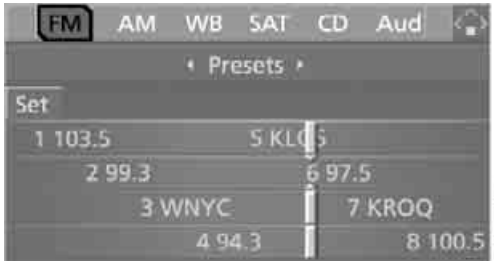


1 Entertainment sound output on/off, volume
   - Press: switch on/off. When you switch on, the last set radio station or CD track is played.
   - Turn: adjust volume.
2 Drive for audio CDs
3 Eject CD
4 Station scan/track search
   - Change radio station.
   - Select track for CD player and CD changer.
5 Drive for navigation DVDs

Operation via iDrive

iDrive, for explanation of principle, refer to page 16.

1. Press the **MENU** button. This opens the start menu.
2. Move the controller backwards to open "Entertainment".



You have the following choices:

- "FM" and "AM": radio reception
- "WB": Weather Band station
- "SAT": satellite radio
- "CD": CD player or CD changer
- "Audio Aux": external audio device
- "Set": depending on the audio source, other adjustments can be made, e.g. with the radio: update station with strongest reception, save station, tone control, sample stations.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

From another menu, you can switch directly to the screen last displayed, refer to Comfort opening of menu items on page 18.◀

The selected audio source is stored for the remote control currently in use.

Switching on/off

To switch the Entertainment sound output on and off:
Press knob **1** next to the CD player.

This symbol on the Control Display indicates that sound output is switched off.

For a single drive, the sound output is available for approx. 20 minutes with the ignition switched off.
Switch on the sound output again for this purpose.

Adjusting volume

Turn knob **1** next to the CD player until the desired volume is set.

You can also adjust the volume with buttons on the steering wheel, refer to page 11.

The setting is stored for the remote control currently in use.

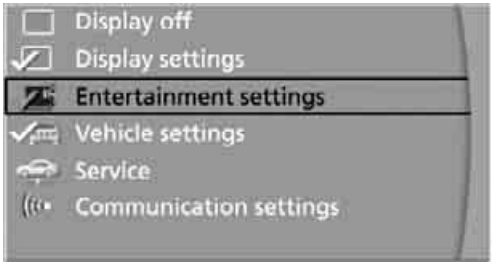
Tone control

You can alter various tone settings, e.g. treble and bass, or the speed-dependent volume increase.
The tone settings are set for all audio sources at once.

The settings are stored for the remote key currently in use.

Changing tone settings

1. Press the **MENU** button.
   This opens the start menu.
2. Press the controller to open the i menu.
3. Select "Entertainment settings" and press the controller.



4. Select "Audio" and press the controller.

The tone settings can also be selected when you have opened "Entertainment" in the start menu:
Select "Set" and then "Tone", and press the controller.

Treble and bass

1. Select "Treble / Bass" and press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

2. Move the controller to the left or right to select "Treble" or "Bass".

3. Turn the controller until the desired setting is selected.

Balance and fader

You can adjust the volume distribution in the same manner as "Treble / Bass".

- "Balance": left/right volume distribution
- "Fader": front/rear volume distribution

Speed-dependent volume control

The speed-dependent volume control automatically increases the volume with increasing speed. You can set various stages for the increase in volume.

1. Select "Speed volume" and press the controller.

2. Turn the controller:
The adjustment is applied; the field can be changed.

Professional LOGIC7 HiFi System*

You can select a spatial sound effect that improves the spatial acoustics in all frequency ranges.

1. Select "Surround Settings" and press the controller.

2. Select "Concert hall" or "Theater".

3. Press the controller.
LOGIC7 spatial sound is switched on.

To cancel the stereo effect:
Select "Off" and press the controller.

LOGIC7 and the LOGIC7 logo are registered trade marks of Lexicon, Inc., a company of the Harman International Group.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Equalizer*

You can set individual sound frequency ranges.

1. Select "Equalizer" and press the controller.

2. Move the controller to the left or right to select the desired frequency range.

3. Turn the controller until the desired setting is selected.

Resetting tone settings

You can reset all tone settings to the default settings.

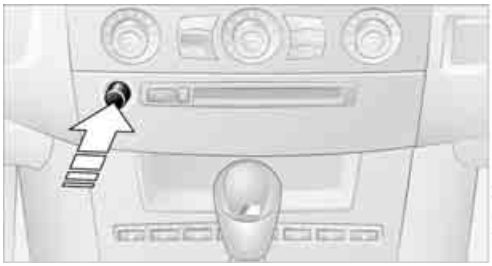
1. Open the start menu.
2. Press the controller to open the i menu.
3. Select "Entertainment settings" and press the controller.
4. Select "Audio" and press the controller.
5. Select "Reset" and press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Radio

Your radio provides reception the FM and AM wavebands.

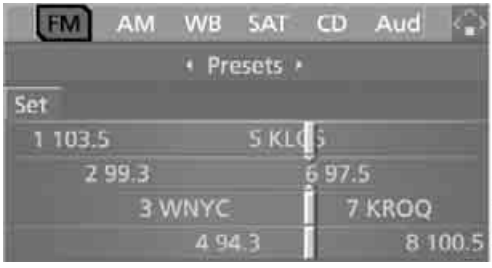
Listening to radio



Press the button if the sound output is switched off.

iDrive, for explanation of principle, refer to page 16.

1. Press the **MENU** button.
   This opens the start menu.
2. Move the controller backwards to open "Entertainment".
3. Change to upper field if necessary. Turn the controller until "FM" or "AM" is selected.



4. Press the controller.

Stations are shown on the Control Display on the basis of various selection criteria, e.g. "Presets".

If "Autostore" does not display any stations or if the stations displayed can no longer be received, to update the station with the strongest signal, refer to page 137.

Changing stations

Turn the controller.

In addition to the stations currently displayed, you can have stations with another selection criterion displayed.

Professional radio*

You can choose from the following selection criteria:

- "All stations":
  Stations that can currently be received in the "FM" waveband.
- "Autostore":
  The stations with the strongest received signals in the "AM" waveband.
- "Presets":
  Stations you have previously stored, refer to page 138.

Business radio

You can choose from the following selection criteria:

- "Autostore":
  For the Station with the strongest signal, refer to page 137.
- "Presets":
  Stations you have previously stored, refer to page 138.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Changing selection criteria

1. Change into the second field from the top.
2. Turn the controller until the desired selection criterion is selected and press the controller.

Buttons next to CD player

Press the button for the corresponding direction.
The system switches to the next displayed station.
You can also change stations with buttons on the steering wheel, refer to page 11.

Sampling stations, scan

The system automatically plays a brief sample from each of the stations on the current waveband.

1. Select "FM" or "AM" and press the controller.
   "Set" is selected.
2. Press the controller.
   Other menu items are displayed.
3. Select "Scan" and press the controller.

The stations are sampled.

To end sampling:

1. Press the controller.
2. Select "Scan" and press the controller.

This cancels sampling of the stations, and the radio remains on the current station.

Buttons next to CD player

To sample the stations, press and hold the button for the corresponding direction.

To stop scanning, press the button again.

Selecting frequency manually

With "Manual" you can select stations that are received in addition to those displayed.

1. Select "FM" or "AM" and press the controller.
2. Change into the second field from the top.
3. Select "Manual" and press the controller.

4. Turn the controller to set a certain frequency.

Updating stations with best reception

For Professional radio with "AM" and with Business radio:
If you are on a longer journey and leave the transmission range of the stations originally set, you can update the list of stations with the best reception.

1. Select "FM" or "AM" and press the controller.
2. Change into the second field from the top.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

3. Select "Autostore" and press the controller.
"Set" is selected.

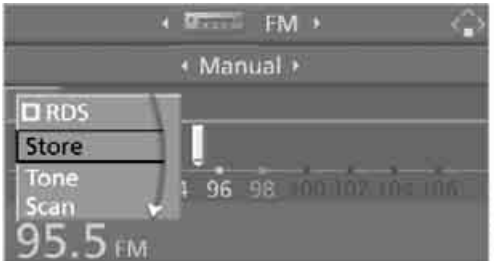
4. Press the controller.
Other menu items are displayed.
5. Select "Autostore" and press the controller.

The display of the stations with the strongest reception is updated. The frequencies of the stations are displayed.

Storing stations

1. Select "FM" or "AM" and press the controller.
2. Change into the second field from the top.
Turn the controller until the desired selection criterion is selected and press the controller.
3. Select the desired frequency or station.
"Set" is selected.

4. Press the controller.
Other menu items are displayed.
5. Select "Store" and press the controller.



"Presets" is displayed.

6. Turn the controller until the desired memory position is selected.
7. Press the controller.
The station is stored.

The channels of the last selection criterion are displayed once again after a short time.

The stations are stored for the remote key currently in use.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Changing a memory position

1. Select "Presets" and press the controller.
2. Select the desired station.
"Set" is selected.
3. Press the controller.
Other menu items are displayed.
4. Select "Store" and press the controller.

5. Turn the controller until the desired memory position is selected.
The number of the memory position appears beside the name or frequency of the station.
6. Press the controller.
The station is stored.

RDS Radio Data System

RDS transmits additional information in the FM frequency range. If the reception conditions are good, the station names are shown on the Control Display. If the reception is weak or disrupted, it can take some time before the station names are displayed.

Switching RDS on/off*

1. Select "FM" or "AM" and press the controller.
"Set" is selected.
2. Press the controller.
Other menu items are displayed.
3. Select "RDS" and press the controller.

RDS is activated.

Automatically sorting stations*

For the "All stations" selection criterion, you can set whether the most frequently used stations are displayed at the beginning.

1. Select "All stations" and press the controller.
"Set" is selected.
2. Select "Favorites" and press the controller.

The most frequently used stations are shown at the beginning.

Weather news flashes*

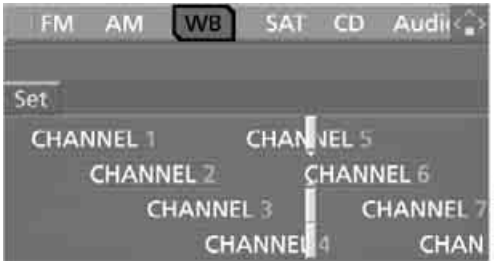
Weather Radio is a service of the National Oceanic and Atmospheric Administration (NOAA) of the US Department of Trade. Weather news flashes are repeated every 4 to 6 minutes and are routinely updated at intervals of 1 to 3 hours, and more often when necessary. Most stations operate 24 hours a day. In case of a storm, the National Weather Service interrupts

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

the routine weather news and transmits special warning messages instead. If you have a question about NOAA Weather Radio, please contact the nearest office of the National Weather Service. Details are also provided on the Internet at www.nws.noaa.gov.

Calling up weather news flashes

1. Select "WB" and press the controller.



2. Select a station.

The station for weather news flashes may be unavailable in some regions.

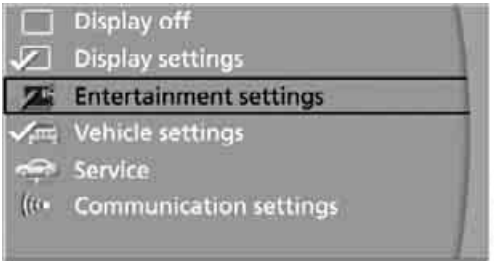
High Definition Radio*

Many stations transmit both analog and digital signals. You can receive these stations digitally and in improved sound quality.

Activating/deactivating digital radio reception

iDrive, for explanation of principle, refer to page 16.

1. Press the **MENU** button.
   This opens the start menu.
2. Press the controller to open the **i** menu.
3. Select "Entertainment settings" and press the controller.



4. Select "HD radio" and press the controller.

5. Select "Off" and press the controller.
   The reception of digital stations is deactivated.

HD This symbol is displayed when a sender is being received digitally.

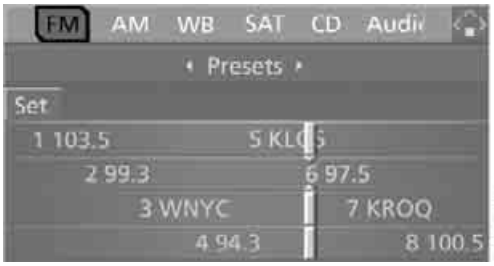
With some stations the digital signals are not transmitted simultaneously with the analog signals. If you are in an area in which the selected station is not continuously received digitally, playback switches between analog and digital reception. This can result in repetitions or interruptions. In this case it may be advisable to deactivate digital radio reception.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

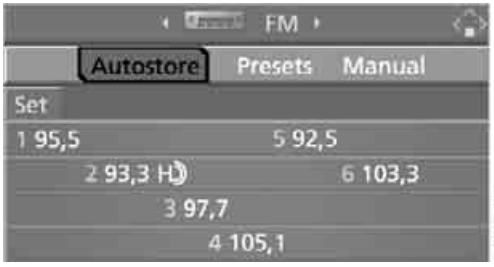
Updating stations offering digital reception

If you are on a longer journey and leave the transmission range of the stations originally set, you can update the list of stations with the best reception.

1. Select "FM" or "AM" and press the controller.



2. Change into the second field from the top.
3. Select "Autostore" and press the controller.



4. Press the controller.
   Other menu items are displayed.
5. Select "Autostore HD" and press the controller.

The display of the stations offering digital reception is updated. This can take up to 2 minutes.

Displaying additional information

With the digital stations, additional information on the current track is displayed, e.g. the name of the artist.

1. Select a station and press the controller.
2. Select "Details" and press the controller.

The information is displayed.

If a digital station is received again when the station is changed, the additional information will be displayed again following a brief interruption.

Satellite radio*

You can receive over 100 different channels with high sound quality.

The channels are offered to you in predefined packages. To receive the channels of your choice, you must have this package enabled.

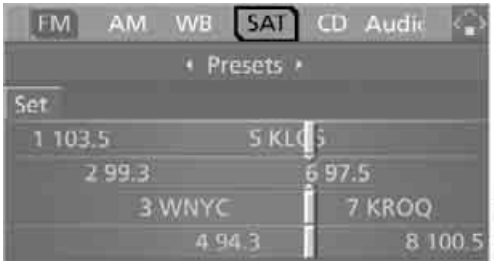
With this new technology the signal may fail, causing interruptions in reception.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

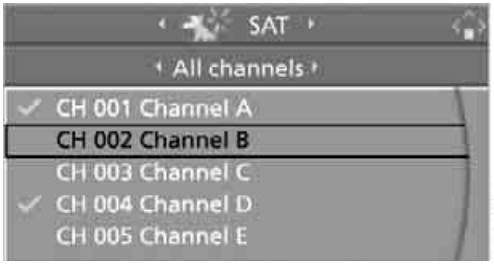
Enabling or disabling channels

iDrive, for explanation of principle, refer to page 16.

1. Press the **MENU** button.
   This opens the start menu.
2. Move the controller backwards to open "Entertainment".
3. Select "SAT".



4. Press the controller.



The channels are displayed.
✔ These channels are enabled.

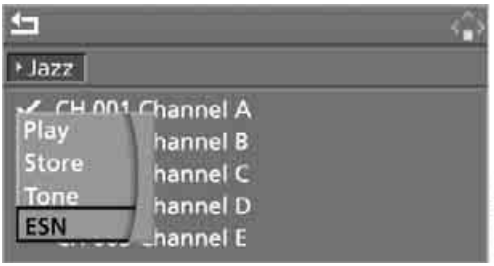
Enabling

1. Select a channel that has not yet been enabled and press the controller.
   A telephone number and the electronic serial number, ESN, are displayed.

   The electronic serial number is required for enabling or disabling.◀
2. To enable the channels:
   Dial the phone number.

Disabling

1. Select an enabled channel and press the controller.

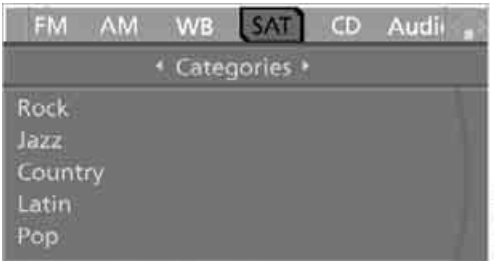


2. Select "ESN" and press the controller.
   The electronic serial number, ESN, is displayed.

   The electronic serial number is required for disabling.◀
3. To disable the channels:
   Dial the phone number.

Selecting and storing channel

1. Select "SAT" and press the controller.



Channels are shown on the Control Display sorted on the basis of selection criteria.

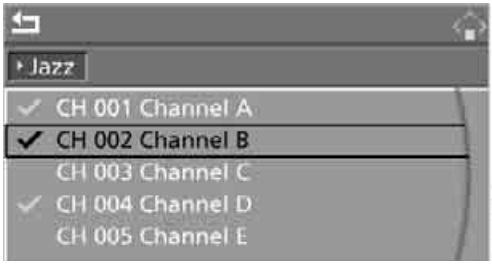
Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

2. Select a menu item:
   - "Presets":
     Up to twelve channels you have stored previously.
   - "All channels":
     All channels are displayed.
   - "Categories":
     All channels, sorted by categories, e.g. news, jazz.

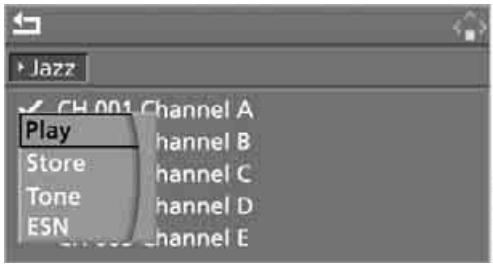
3. Press the controller.
4. If "Categories" has been selected:
   Select the desired category and press the controller.

The channels of this category are displayed.

5. ✓ Select a channel marked with this symbol.

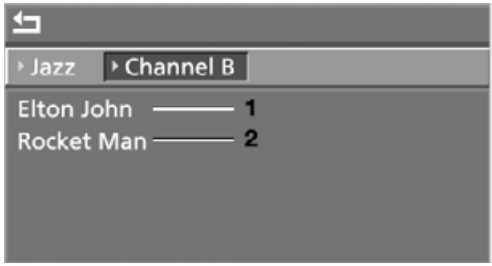


6. Press the controller.
   Other menu items are displayed.
7. Select "Play" and press the controller.



Additional information

The name of the channel and additional information on the current track are displayed, e.g. the name of the artist.

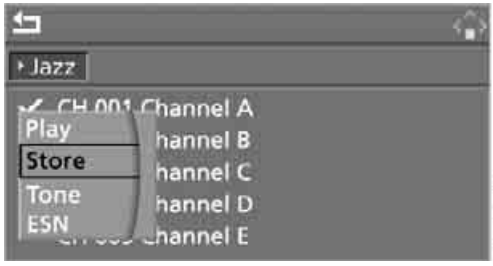


1 Artist

2 Track

Storing channel

1. Select desired channel.
2. Press the controller.
   Other menu items are displayed.
3. Select "Store" and press the controller.



"Presets" is displayed.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

4. Turn the controller to select a memory location and press the controller.

The channel is stored. The channels of the last selection criterion are displayed once again after a short time.

Changing channel with buttons next to CD player

Press the button for the corresponding direction.
The system switches to the next enabled channel.

Notes

If no signal can be received for more than 4 seconds, a message is displayed on the Control Display.

Reception may not be possible for certain reasons, e.g. environmental influences or topographical conditions. The satellite radio has no influence on this.
The signal may not be available in tunnels or underground garages, next to tall buildings, near trees, mountains or other sources of radio interference.
Reception is usually possible again as soon as the signal is available again.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

CD player and CD changer*

Listening to CDs

Compressed audio files*

CDs with compressed audio files, i.e. MP3, can be played by the CD player, but not by the CD changer.

CD player: starting CD

When equipped with two drives:
The upper drive is for audio CDs.

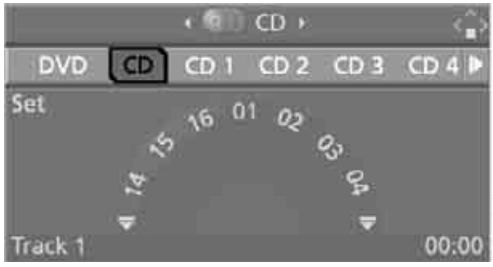
Insert the CD into the drive with the labeled side up. The CD is automatically pulled in.
Playback starts automatically if the sound output is on. For CDs with compressed audio files, it can take up to approx. 1 minute to read in the data depending on the directory structure.

To start playback when there is already a CD in the drive:

iDrive, for explanation of principle, refer to page 16.

1. Press the **MENU** button.
   This opens the start menu.
2. Move the controller backwards to open "Entertainment".
3. Change to upper field if necessary. Turn the controller until "CD" is selected and press the controller.

4. On vehicles with a CD changer, change to the second field from the top and turn the controller until "CD" is selected and press the controller.
   The CD player is started.



Playback starts automatically if the sound output is switched on.

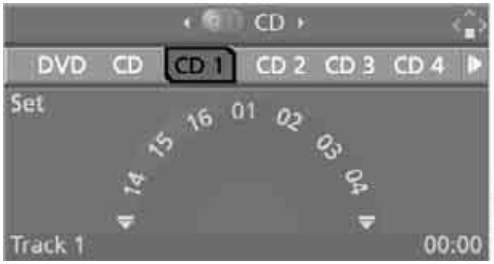
To eject the CD, press the button on the CD player.
The CD emerges slightly from the drive.

CD changer: starting CD

1. Fill the CD magazine and insert, refer to page 149.
2. Press the **MENU** button.
   This opens the start menu.
3. Move the controller backwards to open "Entertainment".
4. Change to upper field if necessary. Turn the controller until "CD" is selected and press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

5. Change to the second field from the top if necessary. Turn the controller until the desired CD, CD 1 - 6, is selected and press the controller.



At the end of the last track, the next CD will be selected.

If new CDs have been placed in the CD magazine, playback starts with the lowest CD, e.g. CD 1, track 1.

The CD magazine's load status is indicated on the Control Display.

Selecting a track

Buttons next to CD player

Press the button for the corresponding direction repeatedly until you reach the desired track.
The CD will start play at the start of the track.
The track is displayed on the Control Display.

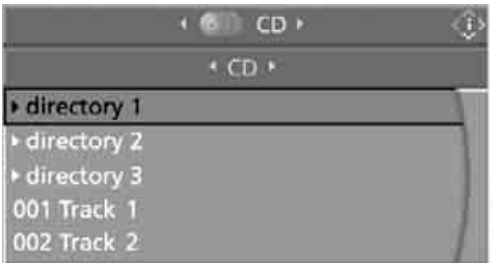
You can also change the track with buttons on the steering wheel, refer to page 11.

Via iDrive

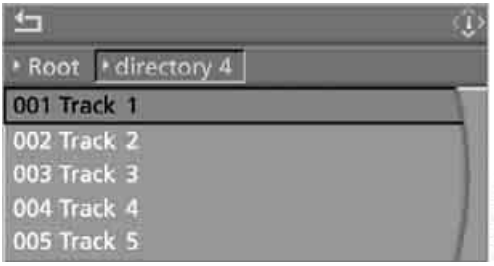
Select a track by turning the controller.

Compressed audio files*

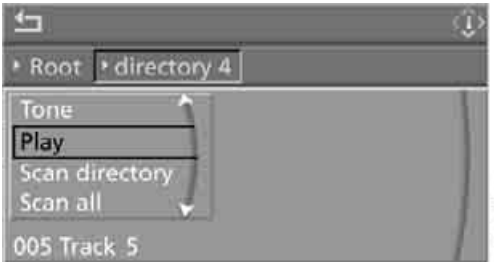
1. Select the directory if necessary and press the controller.



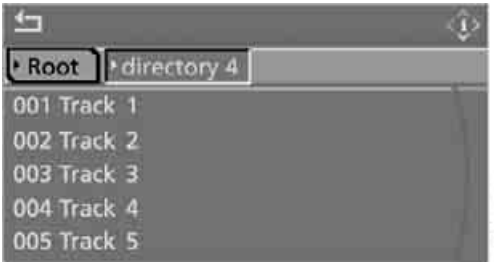
2. Select the track and press the controller.



3. Select "Play" and press the controller.



To change the directory:
Select the directory and press the controller.



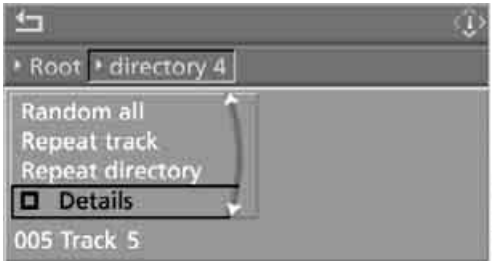
Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

To exit from the menu:
Select the arrow and press the controller.

Displaying information on track*

With compressed audio files, you can display any information stored on the current track, e.g. the name of the artist.

1. Press the controller.
2. Select "Details" and press the controller.



The information for the current track are displayed.

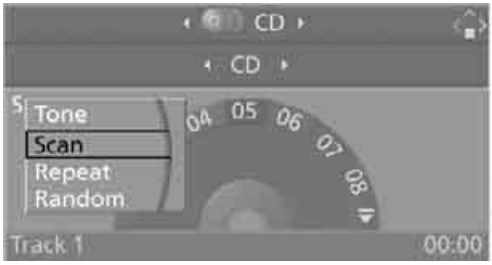
The setting is stored for the remote control currently in use.

Sampling tracks, scan

The system automatically plays a brief sample from each of the tracks on the current CD.

1. Select "Set" and press the controller.
   Other menu items are displayed.

2. Select "Scan" and press the controller.



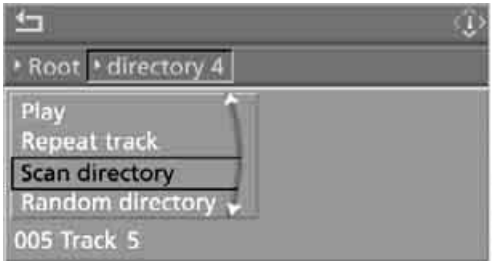
To end sampling:

1. Press the controller.
2. Select "Scan" and press the controller.

This cancels sampling of the tracks, and the player remains on the current track.

Compressed audio files*

1. Select the current track and press the controller.
2. Select the desired menu item:
   - ▷ To sample all tracks of the current directory, select "Scan directory" and press the controller.
   - ▷ To sample all tracks of the CD, select "Scan all" and press the controller.



To end sampling:

1. Press the controller.
2. Select "Scan directory" or "Scan all" and press the controller.

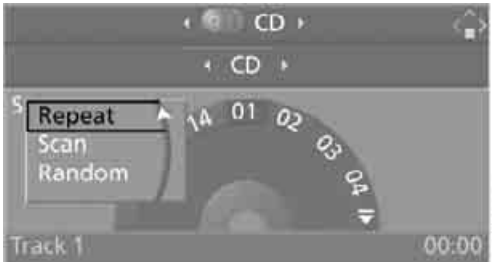
This cancels sampling, and the player remains on the current track.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Repeating a track

1. Select "Set" and press the controller. Other menu items are displayed.

2. Select "Repeat" and press the controller.



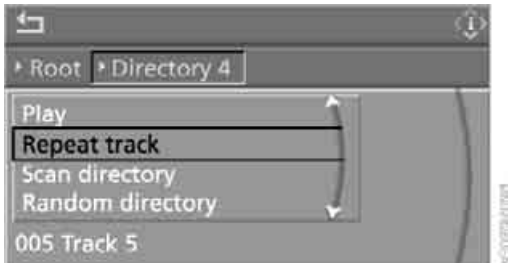
The current track on the CD is repeated.

To stop repeating:

1. Press the controller again.
2. Select "Repeat" and press the controller.

Compressed audio files*

1. Select the current track and press the controller.
2. Select the desired menu item:
   - ▷ To repeat the selected track, select "Repeat track" and press the controller.
   - ▷ To repeat all tracks of the current directory, select "Repeat directory" and press the controller.



To stop repeating:

1. Press the controller.
2. Select "Repeat track" or "Repeat directory" and press the controller.

Random play sequence

In this mode, the tracks on the current CD are played once in a random sequence.

1. Select "Set" and press the controller. Other menu items are displayed.
2. Select "Random" and press the controller.

To stop random function:

1. Press the controller.
2. Select "Random" and press the controller.

Compressed audio files*

1. Select the current track and press the controller.
2. Select the desired menu item:
   - ▷ To play all tracks of the current directory in random order, select "Random directory" and press the controller.
   - ▷ To play all tracks of the CD in random order, select "Random all" and press the controller.

To stop random function:

1. Press the controller.
2. Select "Random directory" or "Random all" and press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Fast forward/reverse

Buttons next to CD player:

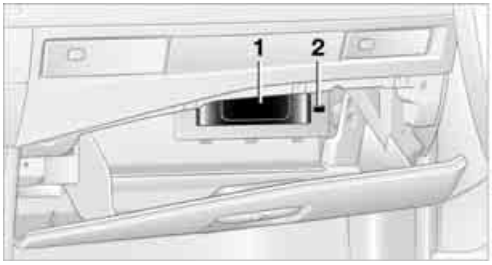
Press and hold the button for the corresponding direction.

CD magazine

The BMW CD changer for six CDs is installed in the glove compartment.

Removing CD magazine

To insert CDs into the CD magazine **1** or remove them from it, you must first remove the magazine from the CD changer:

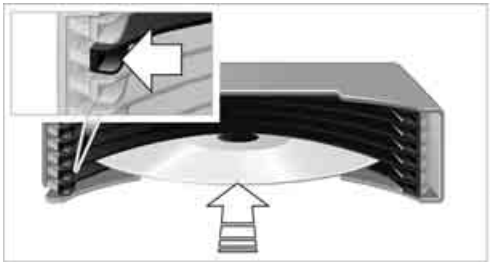


Press button **2** to eject the CD magazine **1**.

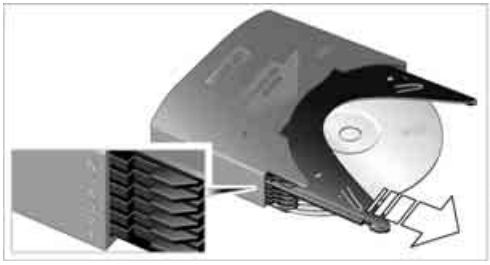
Wait at least 2 seconds before pushing in the magazine again so that the inserted CDs can be read in again.

Inserting/removing CDs into/from CD magazine

When inserting or removing CDs, remember to hold them by their edges, taking care to avoid touching the data side with its reflective CD memory surface.

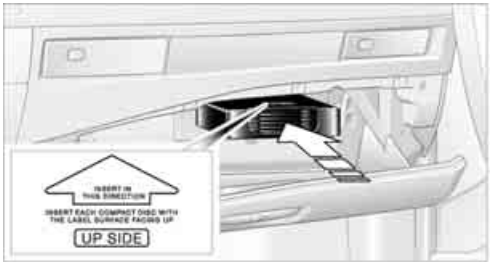


Inserting CDs:
Insert one CD into each compartment of the magazine with the labeled side up.



Removing CDs:
Pull out the desired tray and remove the CD.

Inserting CD magazine



Push in the CD magazine as far as possible in the direction of the arrow.

The CD changer automatically reads in the loaded CDs and is then ready for operation.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Notes

BMW CD/DVD players and changers are officially designated Class 1 laser products. Do not operate if the cover is damaged, otherwise severe eye damage can result.
Do not use self-recorded CDs/DVDs with labels applied as these can become detached during playback due to heat build-up and can cause irreparable damage to the device.
Only use round CDs/DVDs with a standard diameter of 4.7 in/12 cm and do not play CDs/DVDs with an adapter, e.g. Single-CDs, otherwise the CDs or the adapter can jam and may no longer be ejected.
Do not use a combined CD/DVD, e.g. DVD^{Plus}, otherwise the CD/DVD can jam and will no longer eject.◀

General malfunctions

BMW CD/DVD changers and players have been optimized for performance in vehicles. In some instances they may be more sensitive to faulty CDs/DVDs than stationary devices would be.

If a CD/DVD cannot be played, first check if it has been inserted correctly.

Humidity

High levels of humidity can lead to condensation on the CD/DVD or the laser's scan lens and temporarily prevent playback.

Malfunctions with individual CDs/DVDs

If malfunctions only occur with individual CDs/DVDs, one of the following factors may be the cause.

Self-recorded CDs/DVDs

Possible reasons for malfunctions with self-recorded CDs/DVDs are, e.g., inconsistent data-creation or recording processes, or poor quality or high age of the CD/DVD blank.

Only label CDs/DVDs on the upper side with a pen intended for this purpose.

Damaged CDs/DVDs

Avoid fingerprints, dust, scratches and moisture.
Store CDs/DVDs in a sleeve.
Do not subject CDs/DVDs to temperatures over 122 °F /50 °C, high levels of humidity or direct sunlight.

CDs/DVDs with copy protection

CDs/DVDs are often provided with a copy protection feature by the manufacturer. This can mean that some CDs/DVDs cannot be played or can only be played to a limited extent.

Care

If necessary, clean the reflective scanning side of the CDs/DVDs with a commercially available cleaning cloth by wiping in straight lines from the center outward.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

External audio device

You can connect an external audio device, e.g. an MP3 player, and play the sound via the vehicle loudspeakers. The sound can be adjusted with iDrive.

Connecting

1 Power supply for your additional device: Socket with removable cap

2 Connection for audio playback: Jacks ⅛ in/3.5 mm

For audio playback via the vehicle loudspeakers, connect the headphone or Line-Out connection of the device to the connection **2**.

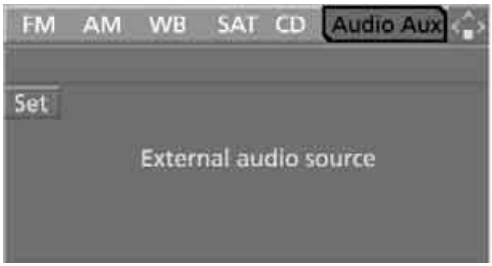
Starting audio playback

The audio device must be switched on.

iDrive, for explanation of principle, refer to page 16.

1. Press the **MENU** button.

   This opens the start menu.
2. Move the controller backwards to open "Entertainment".
3. Select "Audio Aux" and press the controller.



4. Adjust volume and sound if necessary.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Communications

This chapter summarizes how to operate your mobile phone using iDrive or voice control and how to use BMW Assist or TeleService.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Telephoning*

The concept

Your BMW is equipped with a full mobile phone preparation package. After logging on a suitable mobile phone on the vehicle once, you can operate the mobile phone via iDrive, with the buttons on the steering wheel and by voice.

A mobile phone that has been logged on once is automatically detected again with the engine running or the ignition switched on as soon as it is in the vehicle interior. The logon data of up to four mobile phones can be stored simultaneously. If several mobile phones are detected simultaneously, the respective last mobile phone logged on can be operated via the vehicle.

Using a phone in your vehicle

Using snap-in adapter*

The so-called snap-in adapter, a mobile phone cradle, enables the battery to be charged and the mobile phone to be connected to the external antenna of your vehicle. This ensures improved network reception and a consistent voice reproduction quality. Ask your BMW center which mobile phones snap-in adapters are offered for.

BMW discourages the use of mobile phones or other mobile communications devices inside the vehicle without a direct connection to an outside antenna. Otherwise, the vehicle electronics and mobile communication device can influence one another. In addition, there is no assurance that the radiation which results from transmission will be dissipated from the vehicle interior.◀

Avoid operating a mobile phone detected by the vehicle with the keypad of the mobile phone, otherwise malfunctions can occur.

For your safety

A car phone makes life more convenient in many ways, and can even save lives in an emergency. While you should consult your mobile phone's separate operating instructions for a detailed description of safety precautions and information, we request that you direct your particular attention to the following:

Only make entries when the traffic situation allows you to do so. Do not hold the mobile phone in your hand while you are driving; use the hands-free system instead. If you do not observe this precaution, your being distracted can endanger vehicle occupants and other road users.◀

Suitable mobile phones

Ask your BMW center which mobile phones with a Bluetooth interface are supported by the mobile phone preparation package or which mobile phones snap-in adapters are available for. These mobile phones support the functions described in this Owner's Manual with a certain software version. Malfunctions can occur with other mobile phones.

Care instructions

You can find what you need to know about caring for your mobile phone in the separate Caring for your vehicle brochure and in the mobile phone operating instructions.

Operating options

You can operate the mobile phone* using:

- The steering wheel, refer to page 11
- iDrive, refer to page 16
- Voice commands, refer to page 163

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Making calls with car phone: BMW Assist calls

You can use the car phone via the hands-free system for BMW Assist calls.

When the status information "Communication" or "BMW Assist" is displayed in "BMW Service", only BMW Assist calls are possible.

It may not be possible to establish a telephone connection using the mobile phone while a connection is being established to BMW Assist or while a call to BMW Assist is already in progress. If this happens, you must log off the mobile phone from the vehicle if you wish to place a call with the mobile phone.

Commissioning

Logging on mobile phone on vehicle

The following prerequisites must be met:

- The mobile phone is ready to operate.
- The Bluetooth link on the vehicle, refer to page 157, and on the mobile phone is active.
- Depending on the mobile phone, presettings on the mobile phone are necessary: e.g. via the menu item Bluetooth activated or the menu item Connection not with confirmation.
- For logging on, specify any desired number as the Bluetooth passkey, e.g. 1. This Bluetooth passkey is no longer required following successful logon.
- The ignition is switched on.

Only log on the mobile phone with the vehicle stopped, otherwise the passengers and other road user can be endangered due to a lack of attentiveness on the part of the driver.◀

Switching on ignition

1. Insert the remote control as far as possible into the ignition lock.
2. Switch on the switch on ignition by pressing the Start/Stop button without depressing the brake or clutch pedal.

Preparation with iDrive

iDrive, for explanation of principle, refer to page 16.

1. Press the **MENU** button to open the start menu.

2. Open the i menu by pressing the controller.
3. Select "Communication settings" and press the controller.
4. Select "Bluetooth" and press the controller.

5. Select "Phone" and press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Preparation with mobile phone

6. Additional operations must be carried out on the mobile phone and differ depending on the model, refer to the operating instructions of your mobile phone, e.g. find, connect or link under Bluetooth device.

Logging on

Depending on your mobile phone, you will first be requested consecutively via the display of your mobile phone or the Control Display to enter the Bluetooth passkey you specified.

Display on the Control Display if the Bluetooth passkey can be entered with iDrive:

7. Select "Add device" and press the controller.

8. Enter the Bluetooth passkey.
Depending on the mobile phone, approx. 30 seconds are available for entering the Bluetooth passkey on the mobile phone and on the Control Display.

9. Select "Confirm passkey" and press the controller.
10. Wait a few seconds until the list of the logged-on mobile phones is shown on the Control Display and "Phone" is selected.

To cancel the logon of the mobile phone on the vehicle:
Select "Refuse connection" and press the controller.

The next time you use the mobile phone in the vehicle interior, it will be detected within a maximum of 2 minutes with the engine running or the ignition switched on.

As soon as a mobile phone is detected by the vehicle, the phone book entries stored on the SIM card or on your mobile phone are transferred to your vehicle, refer to the operating instructions of your mobile phone if necessary. This transfer is dependent on your mobile phone, refer to the operating instructions of your mobile phone if necessary, and can take several minutes.

Up to four mobile phones can be logged on consecutively. If you log on a fifth mobile phone, the logon data of the last mobile phone in the list will be deleted, refer to below.

List of logged-on mobile phones

All mobile phones for which the vehicle has stored the logon data can be displayed. If several logged-on mobile phones are detected by the vehicle simultaneously, you can operate the mobile phone highest up in the list via the vehicle.

You can change the order of the mobile phones in the list. As long as a mobile phone is selected in this list, the mobile phones cannot be operated via the vehicle.

iDrive, for explanation of principle, refer to page 16.

1. Press the MENU button to open the start menu.
2. Open the i menu by pressing the controller.
3. Select "Communication settings" and press the controller.
4. Select "Bluetooth" and press the controller.
5. Select "Phone" and press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

6. Select the desired mobile phone and press the controller.

7. Select "Move device up" and press the controller.
The selected mobile phone is move upward by one position.

Logging mobile phone off vehicle

If you no longer want to operate your mobile phone via the vehicle, you can delete the logon data of the mobile phone.

iDrive, for explanation of principle, refer to page 16.

1. Press the **MENU** button to open the start menu.
2. Open the i menu by pressing the controller.
3. Select "Communication settings" and press the controller.
4. Select "Bluetooth" and press the controller.
5. Select "Phone" and press the controller.
6. Select the desired mobile phone and press the controller.

7. Select "Delete device" and press the controller.
The logged-off mobile phone is deleted from the list.
The phone book entries you have transferred from your mobile phone to your vehicle are also deleted in the process.

Activating/deactivating Bluetooth link

Bluetooth technology is not approved in all countries. Observe the applicable local regulations. Temporarily disconnect the Bluetooth link between the vehicle and the mobile phone if necessary.◀

If the Bluetooth link is deactivated, you cannot operate your mobile phone via the vehicle and other devices with a Bluetooth interface can be used via the mobile phone, e.g. a laptop computer.

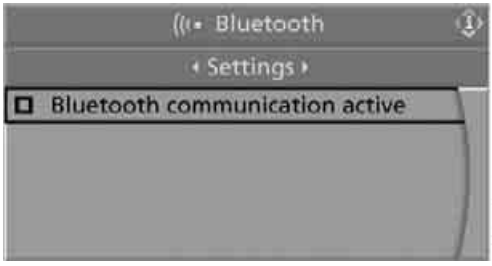
To temporarily deactivate the Bluetooth link between your vehicle and your mobile phone:

1. Remove the mobile phone from the snap-in adapter and switch it off.
2. Press the **MENU** button to open the start menu.

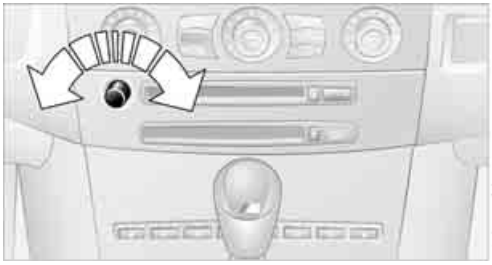
Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

3. Select the i menu and press the controller.
4. Select "Communication settings" and press the controller.
5. Select "Bluetooth" and press the controller.

6. Select "Settings" and press the controller.
   The Bluetooth link is activated.
7. Select "Bluetooth communication active" and press the controller to activate or deactivate the link.



Adjusting volume



Turn the knob during a call to select the desired volume.

This volume for the hands-free system is maintained, even if the other audio sources are set to minimum volume.

You can also adjust the volume with buttons on the steering wheel, refer to page 11.

The setting is stored for the remote control currently in use.

Operation via iDrive

You can operate the following functions via iDrive:

- Dial phone numbers.
- Dial phone numbers from the phone book.
- Dial stored phone numbers, e.g. from the list of accepted calls.
- Hang up.

With the ignition switched off and radio readiness, e.g. after removing the remote control, you can continue an ongoing call for a maximum of 25 minutes via the handsfree system.

Requirements

The logon data of the mobile phone are stored in the vehicle and the mobile phone is ready to operate.

The engine is running or the ignition is switched on.

The mobile phone is detected by the vehicle.

iDrive, for explanation of principle, refer to page 16.

1. Press the MENU button.

   This opens the start menu.
2. Move the controller forward to open "Communication".

Receiving calls

If you have the phone number of the caller stored in the phone book and the phone num-

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

ber has been transmitted, the name of the entry is displayed.

Accepting a call

Select "Accept" and press the controller.

Rejecting a call

Select "Reject" and press the controller.
The caller is diverted to your mailbox if it has been activated.

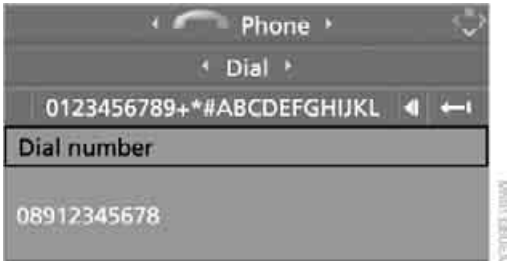
Calling

Dialing phone numbers

1. Select "Phone" and press the controller.

2. Select "Dial" and press the controller.
3. Enter the desired phone number by dialing the individual digits and pressing the controller.
   Always enter the complete phone number consisting of national dialing code, area code, and phone number.
   The letters correspond to the digits on the keypad of the mobile phone.

   To delete an incorrect character:
   Move the controller toward the right to select ⟵ and press the controller.
4. Select "Dial number" and press the controller.



Ending a call

1. Select the phone number and press the controller.

2. Select "End call" and press the controller.

Dialing a phone number from phone book or a phone number stored in a list

Phone numbers you have called, incoming calls and the entries of the phone book are stored in lists when the mobile phone is connected to the vehicle via Bluetooth. If the caller is entered in the phone book, the name of the entry is displayed instead of the phone number.

You can select the desired subscriber from the list and establish the connection.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Five lists are available:

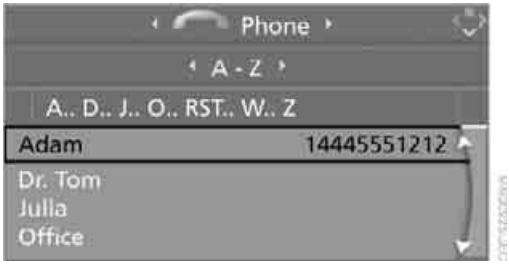
- "A - Z"
  The entries of the mobile-phone phone book, consisting of the name and phone number, are sorted alphabetically.
- "Top 8"
  The eight numbers called most frequently from the phone book "A - Z" are automatically stored in the Top 8 list. The list is sorted according to frequency.
- "Redial"
  The last eight phone numbers you have dialed are automatically stored. The last number dialed is at the top of the list.
- "Missed calls"
  The phone numbers of the last eight calls which were not accepted are stored. This requires the telephone number of the caller to have been sent.
- "Received calls"
  The phone numbers of the last eight accepted calls are stored. This requires the telephone number of the caller to have been sent.

Dialing phone numbers from phone book

The list "A - Z" is available for you phone book entries. The phone book entries appear on the Control Display.

1. Select "Phone" and press the controller.

2. Select "A - Z" and press the controller.
3. To limit the number of displayed entries, select the first letter of the desired entry and press the controller.
4. Select the desired entry and press the controller.



5. Select "Call" and press the controller.
   The system dials the number.

If different phone numbers are stored in the mobile phone under one name, e.g. office and home, the name is shown once for each phone number.

You can change a phone number stored in the phone book, e.g. to call a specific extension:

1. Select "Phone" and press the controller.
2. Select "A - Z" and press the controller.
3. Select the desired entry and press the controller.
4. Select "Add digits" and press the controller.
5. Change the phone number.
6. Select "Dial number" and press the controller.

Dialing phone numbers stored in a list

To select an entry and establish a connection:

1. Select "Phone" and press the controller.
2. Select list and press the controller:
   - "Top 8"
   - "Redial"
   - "Missed calls"
   - "Received calls"

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

3. Select the desired entry and press the controller.

4. Select "Call" and press the controller.
The system dials the number.

Deleting individual entries

1. Select the desired entry from the list and press the controller.
2. Select "Delete" and press the controller.
The entry is deleted.

Deleting entire list

1. Select an entry from the list and press the controller.
2. Select "Delete all numbers" and press the controller.

3. Select "Yes" and press the controller.
The list is deleted.

BMW Contact*

If you are not activated for BMW Assist, you can display several service phone numbers:

- Roadside Assistance* of the BMW Group when you require breakdown assistance
- BMW center, e.g. when you want to make an appointment for service
- BMW Hotline* for information on all aspects of your vehicle

If BMW Assist is activated, refer to page 168.

You can select the displayed service phone number if your mobile phone is logged on in the vehicle:

iDrive, for explanation of principle, refer to page 16.

1. Press the **MENU** button.
This opens the start menu.
2. Move the controller forward to select "Communication".

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

3. Select "BMW Contact" and press the controller.

4. Select "BMW Contact Numbers" and press the controller.

5. Select one of the following menu items and press the controller:
   - ▷ "Roadside Assistance"
   - ▷ "Customer Relations"
   - ▷ "Service Request"
6. Select "Call" and press the controller.

Contact is established.

Transferring phone number via tone dialing method

The tone dialing method is required for access to network services or for controlling devices, e.g. remote checking of an answering machine.

This function is available when a connection has been established.

1. Establish connection.

2. Press the controller.
3. Select "Keypad" and press the controller.
4. Select the desired character and press the controller.
   Each character is sent immediately and confirmed by a tone depending the mobile phone model.

Changing between mobile phone and hands-free system

From mobile phone to handsfree system

You can continue calls begun outside the Bluetooth range of the vehicle via the handsfree system when the motor is running or the ignition is switched on. Depending on your mobile phone, the system automatically switches over to the handsfree mode.

For mobile phones that do not automatically switch over to the handsfree mode:

- ▷ Depending on the mobile phone model used, the conversation can also be continued via the handsfree system if necessary.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Act according to what is shown on the mobile phone display, refer to the operating instructions of your mobile phone.

▷ Press the button above the storage compartment. Switching over may take several seconds.

From handsfree system to mobile phone

When you telephone via the handsfree system, you can also continue the call via the mobile phone if necessary, depending on the mobile phone model. Act according to what is shown on the mobile phone display, refer to the operating instructions of your mobile phone.

Operation by voice*

The concept

You can operate your mobile phone without having to remove your hands from the steering wheel. When making your entries, you will be supported by announcements and questions in many cases.

The same prerequisites as for operation via iDrive apply, refer to page 158.

Symbols in Owner's Manual

›...‹ Say the specified commands word for word.
››...‹‹ Indicates responses of the system.

Voice commands

Activating system

1. Press the button on the steering wheel. An acoustic signal indicates that you can say commands.
2. Say the command.
The text or numbers that the voice command system has registered will appear on the Control Display.

Ending/canceling operation by voice

Press the button on the steering wheel
or
›Cancel‹.

In dialogs where text is spoken, not a command, e.g. a name, canceling is only possible using the button on the steering wheel.

Having possible commands read aloud

The system understands default commands that must be spoken word for word.
You can have the possible commands spoken by the system at any point:

›Help‹

Using alternative commands

There are often a number of commands to run a function, e.g.:

›Dial name‹ or ›Name‹.

The system recognizes digits from zero to nine.

You can say each digit individually or group them into a sequence to accelerate the input.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Example: dialing phone numbers

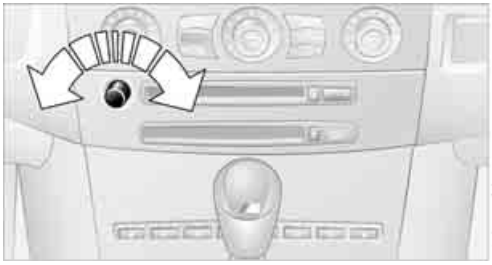
Start the dialog:

Press the button on the steering wheel.

Command	Response
›Dial number‹	››Please say the number‹‹
e.g. ›123 456 7890‹	Depending on equipment: ››123 456 7890. Continue?‹‹ or ››123 456 7890. And next?‹‹
›Dial‹	››Dialing number‹‹

Adjusting volume

You can adjust the volume for the instructions from the system:



Turn the button during an instruction to select the desired volume.

This volume for the instructions is maintained, even if the other audio sources are set to minimum volume.

The setting is stored for the remote control currently in use.

Calling

Dialing phone numbers

1. ›Dial number‹.
   The dialog for establishing a telephone connection is opened.
2. Say the phone number.
   For telephone calls abroad, say ›Plus‹ and then the country code.
3. ›Dial‹.
   The connection to the desired subscriber is established.

Correcting phone number

After the last spoken sequence of digits has been repeated by the system, you can delete this sequence of digits.

›Correct number‹.
The digits are deleted.

The command ›Correct number‹ can be repeated as often as you like.

Deleting input

›Delete‹ is used to delete all the digits entered so far.

Voice phone book

Operating by voice command requires a personal voice phone book.

- On vehicles with combined drives for audio CDs and navigation DVDs, the entries are automatically adopted from your mobile phone's memory.
- On vehicles with a single drive, the entries must be entered by voice and are independent of your mobile phone's memory. In this case, it is not possible to use voice command either to call phone numbers stored in the mobile phone or to store new numbers.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Creating and editing voice phone book*

Save entry:

An entry always consists of a name and phone number.

1. ›Save name‹.
   The dialog for storing a name is opened.
2. Speak name and repeat entry upon request.
   The spoken length of the names in the phone book must not exceed approx. 2 seconds.
3. Say the phone number when prompted.
4. To store the phone number: ›Save‹.

Delete entry:

You can delete any entry from the voice phone book.

1. ›Delete name‹.
   The dialog for deleting an entry is opened.
2. Say the name when prompted.
3. Confirm the prompt with ›Yes‹.

Delete all entries:

›Delete phone book‹ deletes all entries in the phone book.

1. ›Delete phone book‹.
   The dialog for deleting phone book is opened.
2. Confirm the prompt with ›Yes‹.
3. Confirm the repeated prompt with ›Yes‹.

Have entries read aloud and select:

You can have all the entries of your voice phone book read aloud in the order of input and select a certain entry to establish a connection:

1. ›Read phone book‹.
   The dialog for reading phone book is opened.
2. ›Dial number‹ when the desired entry is read aloud.

Selecting an entry

The connection to the phone number of the selected entry is established.

1. ›Dial name‹.
   The dialog for selecting an entry is opened.
2. Say the name when prompted.
3. Confirm the prompt with ›Yes‹.

Redialing

The ›Redial‹ command calls "Redial".

Notes

The commands in English were available as of this printing. Other languages are currently not available. To operate the mobile phone via the voice command system, refer to page 22.◀

Important for voice commands

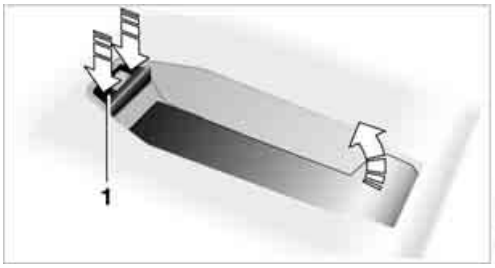
For voice commands, keep the following in mind:

- Issue the commands smoothly and at normal volume, avoiding excessive emphasis and pauses.
- Keep the doors, windows and glass sunroof closed to prevent interference from ambient noise.
- Avoid making other noise in the vehicle while speaking.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

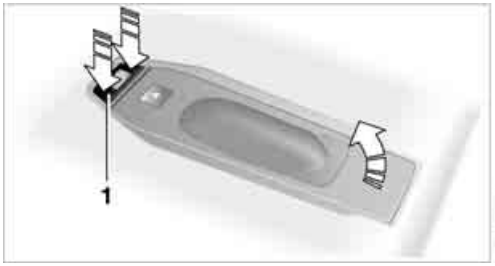
Mounting/removing snap-in adapter

1. Press the area **1** around the button and remove the cover.



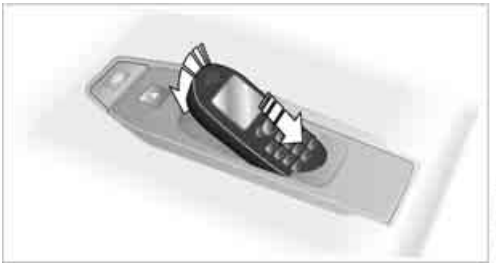
2. Insert the snap-in adapter at the front and press down until it engages.

To remove the snap-in adapter:
Press the area **1** around the button.



Inserting mobile phone

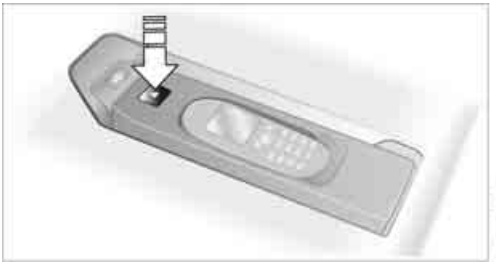
1. Remove the protective cap from the mobile phone's antenna connector if necessary, so that the mobile phone can engage in the snap-in adapter.
2. Push the mobile phone with the keys facing upward toward the electrical connections and press down until it engages.



The mobile phone's battery is charged from radio readiness or with the steering unlocked.

To protect the vehicle's batteries, avoid using the phone when the ignition is switched off.◀

Removing mobile phone



Press button.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

TeleService* , BMW Assist*

TeleService

TeleService supports you when communicating with a BMW center. The built-in car phone can be used to transmit data regarding the service status of your vehicle or regarding legally mandated inspections directly to your BMW center. This is the same data that is also stored for CBS Condition Based Service in the remove control. Your BMW center can then contact you, and you can make an appointment that suits you while you are still on the road. Your advantage here is that your BMW center can prepare in advance for the required maintenance work. The TeleService functions are country-specific: the data regarding the service status of your vehicle or regarding legally mandated inspections is transmitted on a country-specific basis either automatically before they fall due or during your calls to the BMW center. Your BMW center will be glad to provide more detailed information.

BMW Assist

BMW Assist provides you with other services in addition to TeleService. For example, the position data of your vehicle can be transferred to the BMW Assist response center if an emergency call* has been initiated.

Many functions of BMW Assist depend on the individually agreed contract. Data transmission, e.g. of the CBS Condition Based Service, differs from country to country.

The contract of participation with BMW Assist and the activation must be completed before you can use BMW Assist.

When the contract expires, the car phone can be deactivated by a BMW center without having to visit a BMW center. Following deactivation of the car phone, no emergency calls can be made. The car phone can be reactivated after signing a new contract with a BMW center.

You can also use the services of BMW Assist via the Internet. The range of services is continually being expanded.

Requirements

You can use TeleService or BMW Assist when the following requirements are met:

- The installed car phone is logged on to a cellular telephone network. This network must be capable of transmitting the services.
- To transmit position data, the vehicle must be able to determine the current position. This can be displayed on the Control Display.
- For TeleService or BMW Assist to be activated and updated, the GPS signal must be available.
- For BMW Assist: you have applied to your BMW center or BMW Customer Support for BMW Assist.

Enabling TeleService or BMW Assist

For you to be able to use the services of TeleService or BMW Assist, these must be enabled.

Requirements

- Make sure that the vehicle can determine its current position. Reception is best when you have an unobstructed view to the sky.
- Leave radio readiness switched on while connecting to the system.

Enabling

iDrive, for explanation of principle, refer to page 16.

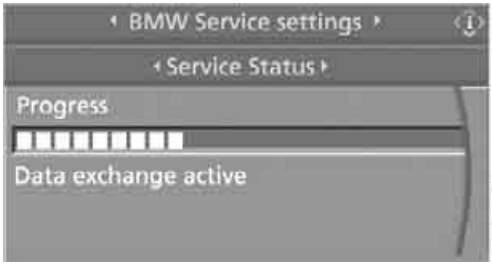
1. Press the MENU button.
   This opens the start menu.
2. Press the controller to open the i menu.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

3. Select "Communication settings" and press the controller.
4. Select "BMW Service settings" and press the controller.

5. Select "Service Status" and press the controller.

6. Select "Enable services" and press the controller.
   TeleService and, if applicable, BMW Assist are enabled; data exchange with the service center starts.



Enabling takes a few minutes. The status is displayed on the Control Display. If you open another menu, the enable process continue to run in the background.

Services offered

The following special features apply for the services of TeleService and BMW Assist:

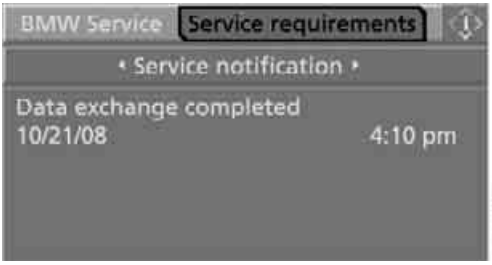
- The services offered are country-specific.
- Voice contact is established or data are transferred, depending on the equipment and the country. In some countries, it is possible to do both.
- The data transferred can be the vehicle data, your current position or the data of the CBS Condition Based Service.

Automatic service notification*

The data on the service status of your vehicle or on legally mandated inspections is transmitted automatically directly to your BMW center prior to the due date. You can check when the BMW center was notified.

iDrive, for explanation of principle, refer to page 16.

1. Open the start menu.
2. Press the controller to open the i menu.
3. Select "Service" and press the controller.
4. Select "Service requirements" and press the controller.



5. Select "Service notification" and press the controller.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

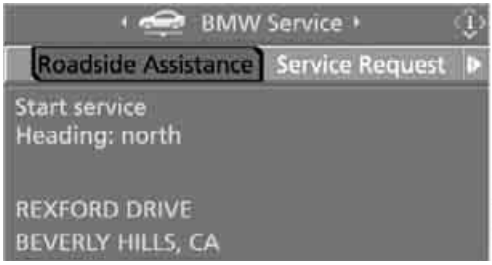
Breakdown assistance

You can call Roadside Assistance* of the BMW Group should you require help in the event of a breakdown.

iDrive, for explanation of principle, refer to page 16.

1. Press the **MENU** button.
   This opens the start menu.
2. Move the controller forward to select "Communication".
3. Select "BMW Assist" and press the controller.
4. Select "BMW Service" and press the controller.

5. Select "Roadside Assistance" and press the controller.



If the current position can be determined, the current vehicle location is displayed.

6. Select "Start service" and press the controller.

Contact to Roadside Assistance will be established.

Setting up contact to your BMW center or BMW Customer Relations

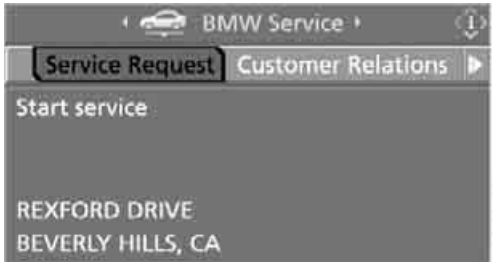
You can contact your BMW center, e.g. to arrange a service appointment.

For information related to your vehicle, call the BMW Customer Relations.

This requires your mobile phone to be logged on in the vehicle.

iDrive, for explanation of principle, refer to page 16.

1. Press the **MENU** button.
   This opens the start menu.
2. Press the controller to open the i menu.
3. Select "Service" and press the controller.
4. Select "BMW Service" and press the controller.
5. Select desired BMW service:
   - ▷ "Service Request"
   - ▷ "Customer Relations"



6. Press the controller.
7. Select "Start service" and press the controller.

Contact to the desired BMW service will be established.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

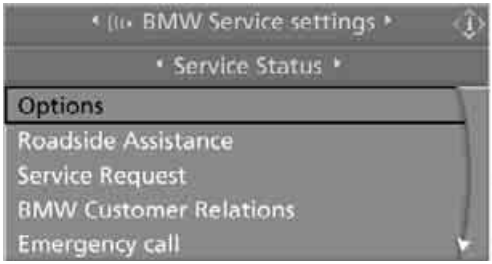
Adapting TeleService or BMW Assist

Displaying and updating services

If the offering from TeleService or BMW Assist changes, you will be notified. In this case you should update the services.

1. Open the start menu.
2. Press the controller to open the i menu.
3. Select "Communication settings" and press the controller.
4. Select "BMW Service settings" and press the controller.
5. Select "Service Status" and press the controller.

   The current services available from TeleService or BMW Assist are displayed.
6. Select "Options" and press the controller.



7. Select "Update services" and press the controller.

Blocking services*

If you block the services, the connection to BMW Assist is deactivated.

1. Open the start menu.
2. Press the controller to open the i menu.
3. Select "Communication settings" and press the controller.
4. Select "BMW Service settings" and press the controller.
5. Select "Service Status" and press the controller.
6. Select "Options" and press the controller.
7. Select "Terminate services" and press the controller.

The use of TeleService or BMW Assist is blocked, and the current vehicle position will not be transferred during an emergency call*. To deactivate the blocking function, enabling must be carried out again, refer to page 167. This does not affect the contractual agreements.

Enable TeleService and, if applicable, BMW Assist once again to log on again.

Displaying vehicle data

When TeleService or BMW Assist is activated, the license plate and the vehicle identification number of your vehicle can be displayed.

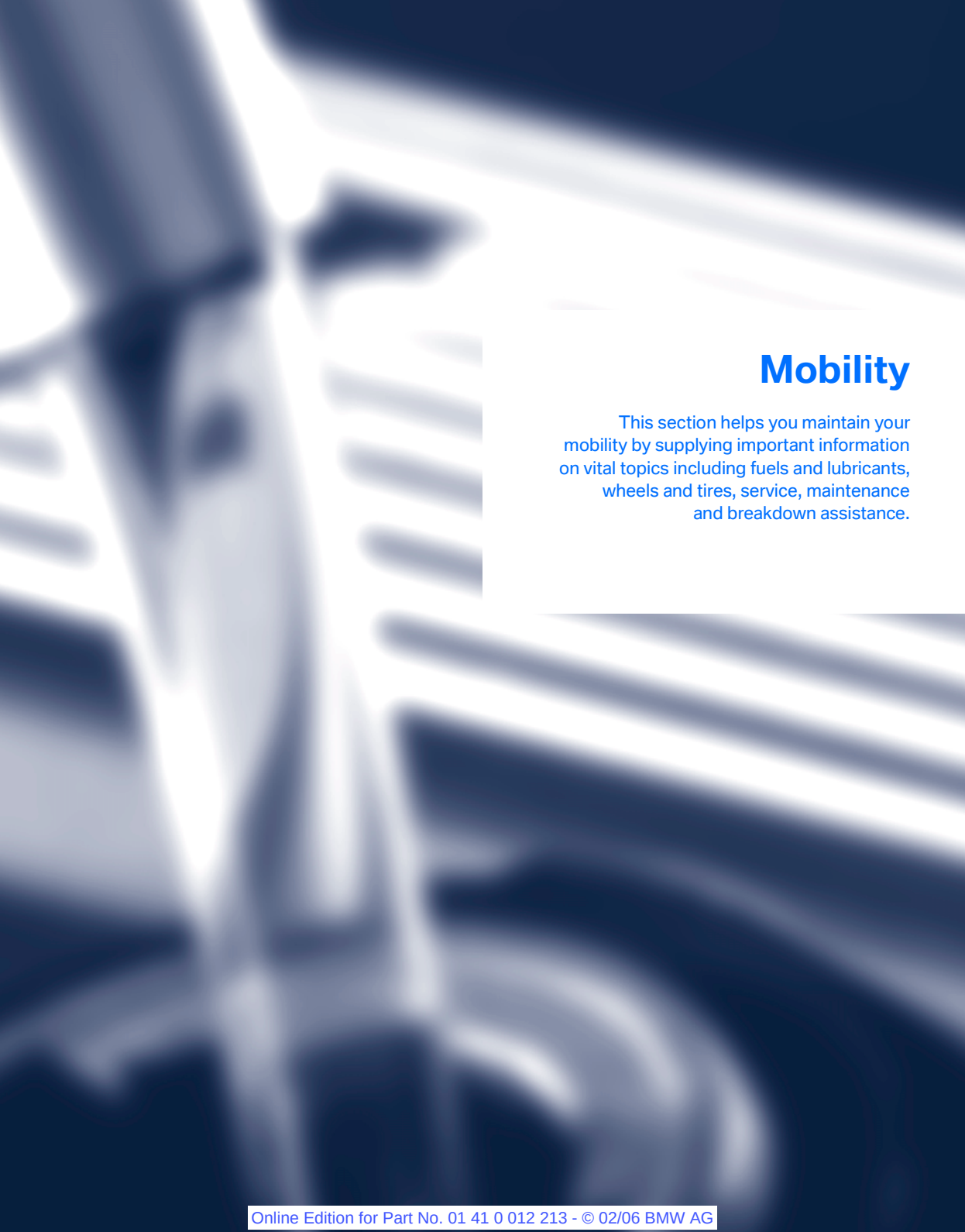
1. Open the start menu.
2. Press the controller to open the i menu.
3. Select "Communication settings" and press the controller.
4. Select "BMW Service settings" and press the controller.
5. Select "Profile" and press the controller.

To adjust the license plate number, please contact your BMW center.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG



Mobility

This section helps you maintain your mobility by supplying important information on vital topics including fuels and lubricants, wheels and tires, service, maintenance and breakdown assistance.

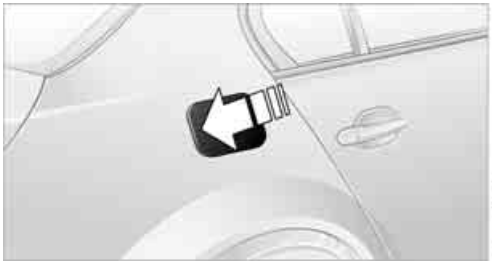
Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Refueling

Always switch off the engine before refueling, otherwise no fuel can be filled into the tank and a message is displayed.◀

When handling fuel, always observe all applicable precautionary measures and regulations. Never transport reserve fuel containers in the vehicle. These could become leaky and cause an explosion or a fire in an accident.◀

Fuel filler door

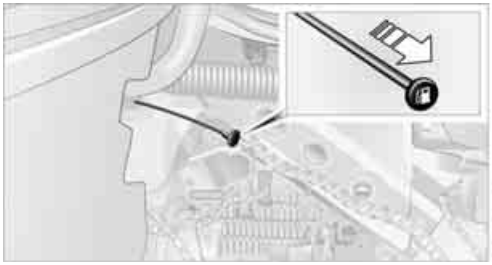


To open and close: press the rear edge of the fuel filler door.

Manual release

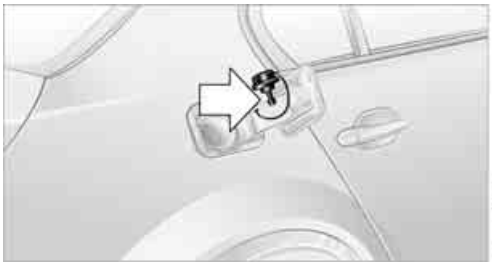
If an electrical malfunction should occur, you can unlock the fuel filler door manually.

1. In the luggage compartment, raise the floor mat and the cover located beneath it.
2. Open the snap fasteners of the right side panel and take off the side panel.
3. Pull the knob with the gas pump symbol.



Observe the following when refueling

When handling fuels always observe any safety guidelines posted at the service station.◀



Place the fuel filler cap in the bracket attached to the fuel filler door.

When refueling, insert the filler nozzle completely into the filler pipe. Avoid raising the filler nozzle during refueling, as otherwise this leads to

- premature pump shutoff
- a reduced efficiency of the fuel-vapor recovery system.

The fuel tank is full when the filler nozzle clicks off the first time.

Fuel tank capacity

Approx. 18.5 gallons/70 liters, including the reserve capacity of approx. 4 gallons/15 liters.

Refuel as soon as possible once your cruising range falls below 30 miles/ 50 km, otherwise engine functions are not ensured and damage can occur.◀

Fuel filler cap

Closing

Fit the cap and turn it clockwise until you clearly hear a click.

Do not jam the strap attached to the fuel filler cap between the fuel filler cap and the vehicle. A message* is displayed if the cap is loose or missing.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Fuel specifications

Do not use leaded gasoline, otherwise permanent damage to the catalytic converter will result.◀

Required fuel

Super Premium Gasoline/AKI 93

Always use this premium grade fuel to obtain maximum fuel economy and performance.

The minimum approved fuel grade is AKI 91.

Do not use gasoline below the specified minimum quality, as otherwise engine damage can result.◀

Use high-quality brands

Field experience has indicated significant differences in fuel quality: volatility, composition, additives, etc., among gasolines offered for sale in the United States and Canada. Fuels containing up to and including 10% ethanol or other oxygenates with up to 2.8% oxygen by weight, that is, 15% MTBE or 3% methanol plus an equivalent amount of co-solvent, will not void the applicable warranties with respect to defects in materials or workmanship.

The use of poor-quality fuels may result in drivability, starting and stalling problems especially under certain environmental conditions such as high ambient temperature and high altitude.
Should you encounter drivability problems which you suspect could be related to the fuel you are using, we recommend that you respond by switching to a recognized high-quality brand such as gasoline that is advertised as Top Tier Detergent Gasoline.
Failure to comply with these recommendations may also result in unscheduled maintenance.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Wheels and tires

Tire inflation pressure

Information for your safety

The condition of the tires and the maintenance of the specified tire pressure are crucial not only to the tire's service life, but also to driving comfort and most importantly, driving safety.

Checking pressure

Only check tire inflation pressure when the tires are cold. This means after a maximum of 1.25 miles/2 km driving or when the vehicle has been parked for at least 2 hours. When tires are warm, the tire inflation pressure increases.

Check the tire inflation pressure regularly and correct if necessary, including on the spare wheel*: at least twice a month and before starting long trips. If you fail to observe this precaution, you may be driving on tires with incorrect tire pressures, a condition that can not only compromise your vehicle's driving stability, but also lead to tire damage and the risk of an accident. Do not drive with a depressurized, i.e. flat, tire. A flat tire will seriously impair your vehicle's handling and braking response. Attempts to drive on a flat tire can lead to a loss of control over the vehicle.◀

After correcting the inflation pressure(s), always reinitialize the Flat Tire Monitor, refer to page 77.◀

Pressure specifications

The tables below provide all the correct inflation pressures for the specified tire sizes at ambient temperature.

The inflation pressures apply to the tire sizes and tire brands respectively approved and recommended by BMW; a list of these is available from your BMW center.◀

For correct identification of the right tire inflation pressure for your tires, observe the following:

- Tire sizes of your vehicle
- Load conditions
- Maximum allowable driving speed

Tire inflation pressures for speeds up to 100 mph/160 km/h

For normal driving up to 100 mph/160 km/h, adjust pressures to the respective tire inflation pressures listed on the following pages in the column Traveling speeds up to max. 100 mph/160 km/h to achieve optimum driving comfort.

These pressure specifications can be found on the door post when you open the driver's door.

The permissible top speed for these tire inflation pressures is 100 mph/160 km/h. Do not exceed this speed, otherwise tire damage and accidents may result.◀

Tire inflation pressures for speeds above 100 mph/160 km/h

In order to drive at maximum speeds in excess of 100 mph/160 km/h, please observe, and, if necessary, adjust tire pressures for speeds exceeding 100 mph/160 km/h from the relevant table on the following pages. Otherwise tire damage and accidents could occur.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Observe all national and local maximum speed limits, otherwise violations of the law could occur.

Tire size	Pressure specifications in psi/kPa					
	Traveling speeds up to max. of 100 mph/160 km/h		Traveling speeds including those exceeding 100 mph/160 km/h			
All pressure specifications in the table are indicated in psi/ kilopascal with cold tires. Cold = ambient temperature						
245/45 R 18 100 V XL M+S	35/240	38/260	35/240	38/260	41/280	47/320
255/40 ZR 19	37/250	-	37/250	-	41/280	-
285/35 ZR 19	-	37/250	-	37/250	-	47/320

More details on the permissible load and weights can be found on page 204.

Tire identification marks

Knowledge of the labeling on the side of the tire makes it easier to identify and choose the right tires.

Tire size

e.g. 285/35 ZR 19
245/45 R 18 100 V

- Nominal width in mm
- Aspect ratio in %
- Belted construction – radial
- Rim diameter in inches
- Carrying capacity ID-code (not in ZR tires)
- Speed code letter (in ZR tires before the R)

Speed letter

Q = up to 100 mph/160 km/h

T = up to 118 mph/190 km/h

H = up to 131 mph/210 km/h

V = up to 150 mph/240 km/h

W = up to 167 mph/270 km/h

Y = up to 186 mph/300 km/h

Z = over 150 mph/240 km/h

Tire Identification Number

Tires with DOT codes meet the guidelines of the U.S. Department of Transportation.

DOT code:

e.g. DOT xxxx xxx 0806

- Manufacturer code for tire make
- Tire size and tire design
- Tire age

Tire age

The manufacturing date of tires is contained in the tire coding: DOT... 0806 indicates that the tire was manufactured in week 8 of 2006.

BMW recommends that you replace all tires after 6 years at most, even if some tires may last for 10 years. This also concerns the tire of the spare wheel.

Uniform Tire Quality Grading

Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum section width. For example:

Tread wear 200 Traction AA
Temperature A

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

DOT Quality Grades

Tread wear
Traction AA A B C
Temperature A B C

All passenger car tires must conform to Federal Safety Requirements in addition to these grades.◀

Tread wear

The tread wear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course. For example, a tire graded 150 would wear one and one-half (1 ½) times as well on the government course as a tire graded 100. The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction

The traction grades, from highest to lowest, are AA, A, B, and C.
Those grades represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete. A tire marked C may have poor traction performance.

The traction grade assigned to this tire is based on straight-ahead braking traction tests, and does not include acceleration, cornering, hydroplaning, or peak traction characteristics.◀

Temperature

The temperature grades are A, the highest, B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel. Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure. The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109. Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

The temperature grade for this tire is established for a tire that is properly inflated and not overloaded. Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.◀

M+S

Winter and all-season tires.
These have better winter properties than summer tires.

XL

Indicates specially reinforced tires.

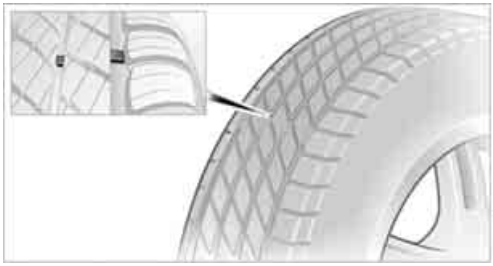
Tire condition

Inspect your tires frequently for tread wear, signs of damage and for foreign objects lodged in the tread. Check the tread depth.

Minimum tread depth

The tread depth should not drop below 0.12 in/3 mm, although, for example, European legislation only specifies a minimum tread depth of 0.063 in/1.6 mm. At tread depths below 0.12 in/3 mm there is an increased risk of high-speed hydroplaning, even when only small amounts of water are present on the road surface.
When winter tires wear down past a tread depth of 0.16 in/4 mm, they become perceptibly less suitable for winter conditions. For the sake of safety, new tires should be installed.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG



Wear indicators at the tread-groove base, refer to arrow, are distributed over the tire's circumference and are marked on the side of the tire with TWI – Tread Wear Indicator. If the tire tread has been driven down to the wear indicators, a tread depth of 0.063 in/1.6 mm has been reached.

Wheel/tire damage

Please note that low-profile tires cause wheels, tires and suspension parts to be more susceptible to road hazards and consequential damages.

Unusual vibrations encountered during normal vehicle operation can indicate tire failure or some other vehicle defect. This can, for example, be caused by driving over curbs. These kinds of problems may also be signaled by other changes in vehicle response, such as a strong tendency to pull to the left or right.

In these cases, reduce speed immediately and have wheels and tires thoroughly checked. To do so, drive carefully to the nearest BMW center or tire shop that works according to BMW repair procedures with correspondingly trained personnel. If necessary, have the vehicle towed there. Tire damage can be extremely dangerous for vehicle occupants and other road users.◀

New wheels and tires

Have new wheels and tires installed only by your BMW center or tire shop that works according to BMW repair procedures with correspondingly trained personnel. If this work is not carried out properly, there is a danger of subsequent damage and related safety hazards. Make sure that the new wheels are balanced.◀

Retreaded tires

BMW does not recommend that you use retreaded tires, as driving safety may be impaired. The causes for this include the possibly different tire casing structures and the often wide variations in their age, which can result in a limited service life.◀

The right wheels and tires

BMW recommends that you use only wheel and tire combinations that BMW has tested and approved for your particular vehicle. Variations in factors such as manufacturing tolerances mean that even wheels and tires with identical official size ratings could actually have different dimensions than the approved units – these differences could lead to body contact, and with it the risk of severe accidents. When selecting the tires, also ensure that they have a sufficient load-carrying capacity. If non-approved wheels and tires are used, BMW cannot evaluate their suitability, and therefore cannot be held liable for driving safety.◀

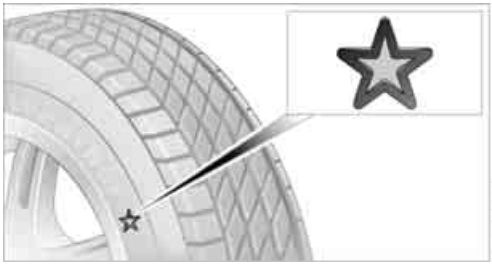
You can inquire about the right wheel/tire combination at your BMW center.

The correct wheel/tire combination also affects various systems whose function would otherwise be impaired, e.g. ABS or DSC.

To maintain good handling and vehicle response, use only tires of a single tread configuration from a single manufacturer. Following tire damage, have the original wheel and tire combination remounted on the vehicle as soon as possible.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Recommended tire brands



Certain tire makes are recommended by BMW depending on the tire size. You can recognize these from the clearly visible BMW marking on the tire sidewall.

When used properly, these tires comply with the most demanding standards for safety and vehicle response.

Special characteristics of winter tires

BMW recommends winter tires for use in cold winter driving conditions. Although all-season M+S tires provide better winter traction than summer tires, they generally fail to provide the same levels of cold-weather performance as winter tires.

Pay attention to speed

Always observe the maximum permissible speed for the winter tires, otherwise tire damage may occur, which can result in accidents.◀

After changing wheels/tires

After changing tires or wheels, the slip detection of the Sequential Manual Transmission must become familiar with the changed state.

Reinitialize the system for this purpose:

1. Move the selector lever into the idling position N on a straight stretch of road at a speed between 20 mph/30 km/h and 90 mph/150 km/h.
2. Pull both shift paddles for approx. 2 seconds.

If you do not carry out initialization, the system will automatically learn the changed state gradually during driving. This may be noticeable from the clutch opening and closing briefly.

Storage

Always store wheels and tires in a cool, dry place with as little exposure to light as possible. Always protect tires against all contact with oil, grease and fuels. Do not exceed the maximum tire inflation pressure indicated on the side wall of the tire.

Snow chains*

BMW only tests certain fine-link snow chains, classifies them as road-safe and recommends them. Consult your BMW center for more information.

Use is only permitted in pairs, with winter tires of the size 245/45 R 18 on the rear wheels.

Observe the manufacturer's instructions when mounting snow chains. Do not exceed a speed of 30 mph/50 km/h with the chains mounted.

Make sure that the snow chains are always sufficiently tensioned. Retension in accordance with the chain manufacturer's specifications if necessary.

After mounting snow chains, do not initialize the Flat Tire Monitor, otherwise incorrect displays can occur.
After mounting or removing snow chains, the slip detection of the Sequential Manual Transmission must become familiar with the altered state. To do this, reinitialize the system, refer to After changing wheels/tires.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Under the hood

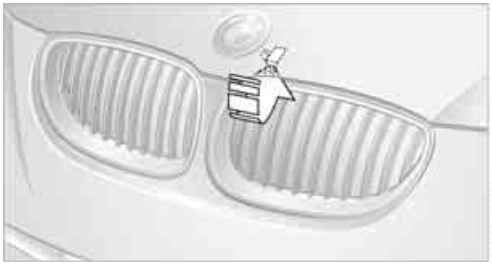
Never attempt to perform any service or repair operations on your vehicle without the required professional technical training. If you do not know what repair procedures to follow, have work on your vehicle done only by your BMW center or a workshop that works according to BMW repair procedures with correspondingly trained personnel. If this work is not carried out properly, there is a danger of subsequent damage and related safety hazards.◀

Hood

Releasing

Pull lever.

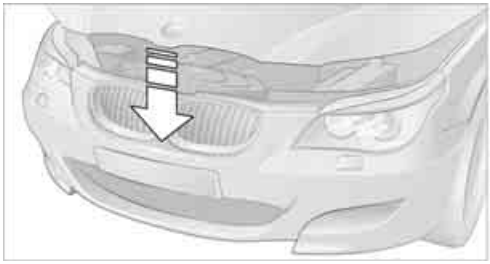
Opening



Press the release handle and open the hood.

You cannot start off with the hood open.◀

Closing



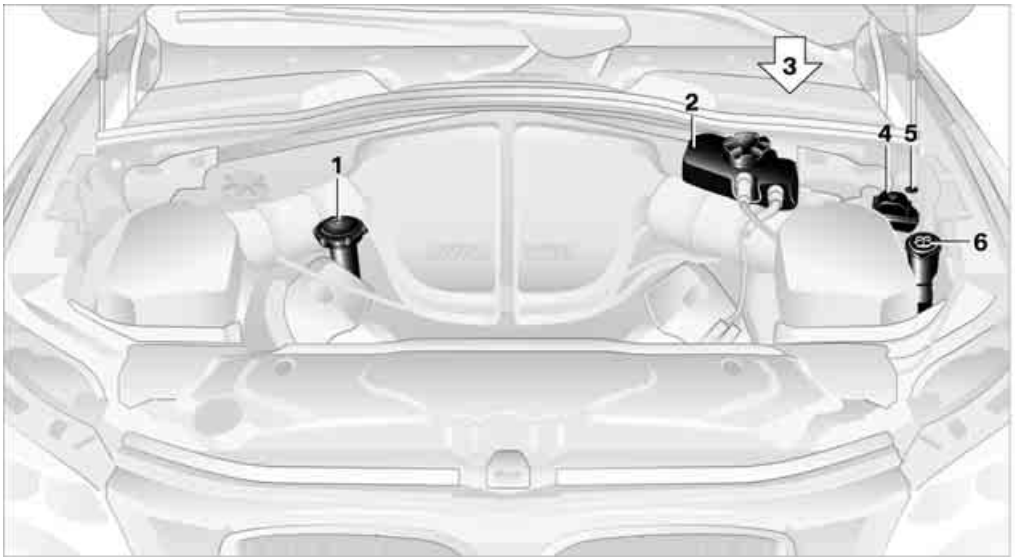
Close the hood from a height of approx. 16 in/ 40 cm with momentum. It must be clearly heard to engage.

Make sure that the closing path of the hood is clear, otherwise injuries may result.

If you see any signs that the hood is not completely closed while driving your vehicle, you should stop at once and close it securely.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Engine compartment



1 Filler neck for engine oil, refer to Adding engine oil, page 183

2 Expansion tank for coolant, refer to page 184

3 Brake fluid reservoir, located beneath the microfilter cover

4 Starting-aid terminal, refer to page 197

5 Body ground/negative terminal

6 Washer fluid reservoir of the headlamp and windshield cleaning systems, refer to page 60

Engine oil

The engine oil consumption is dependent on driving style and driving conditions.

Checking engine oil level

Your vehicle is equipped with an electronic oil level check. You can display the oil level in the instrument cluster.

1 Oil level

2 Maximum marking

3 Minimum marking

Press the BC button in the turn signal lever repeatedly until the oil level display is shown in the instrument cluster. The displayed numeric

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

value indicates the current oil level in liters above Minimum.

After starting the engine, the last determined value is displayed.

The oil level must be between the two marks.

Exact measurement

The oil level is measured continuously while driving or when stopped with the engine running.

The determination of a new value can take 30 minutes or longer.

If only dashes are shown in the display, it was not possible to determine a new value. This can, for example, be the case when driving short distances or with a sporty driving style.◀

Fast measurement

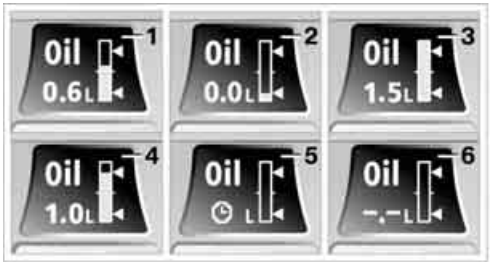
In addition to the continuous measurement, you can also quickly determine the current oil level, e.g. after adding engine oil, however with a low measuring accuracy.

1. With the engine at operating temperature, i.e. after at least 6 miles/10 km of uninterrupted driving, park the vehicle in a horizontal position.
2. Allow the engine to run at idle.
3. Press the BC button in the turn signal lever repeatedly until the oil level display is shown in the instrument cluster.
4. Press the BC button in the turn signal lever for at least 2 seconds.

   The oil level is determined. A clock symbol is displayed during the measurement.
5. After approx. 1 minute the current oil level is displayed.

If not all measuring conditions are met, e.g. with the engine cold, "-.-" is displayed. The requested measurement is carried out as soon as possible.◀

Possible displays



1 Oil level OK

2 Oil level at minimum:
Add a maximum of 1 US quart/1 liter of engine oil at the next opportunity, refer to Adding engine oil below

3 Oil level too high

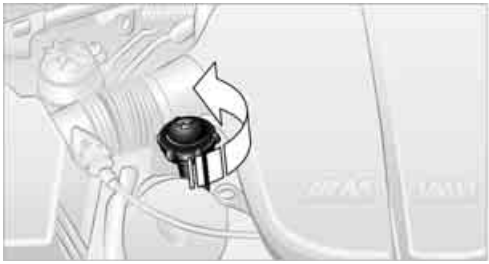
Have the vehicle checked immediately, otherwise engine damage may result if too much oil has been added.◀

4 Oil level at maximum

5 Quick measurement running: oil level is being determined

6 No value can be determined at this time

Adding engine oil



Do not add oil until a value slightly above the Minimum of 0.0 quarts/liters is displayed by the oil level measurement. In this area a message is also shown on the Control Display.

Add oil within the next 125 miles/200 km, otherwise the engine could be damaged. Add a maximum of 1 US quart/1 liter of oil, otherwise the engine may be damaged by adding too much oil.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Add at least 0.5 US quart/0.5 liter of oil, otherwise the oil level check cannot reliably display the current oil level.◀

Continuous exposure to used oil has caused cancer in laboratory testing. For this reason, any skin areas that come into contact with oil should be thoroughly washed with soap and water.
Keep oil, grease etc. out of reach of children and observe the warnings on the containers to prevent health risks.◀

For immediate updating of the oil level display, carry out a quick measurement directly afterward.◀

Oil change

Have oil changed only at your BMW center or at a workshop that works according to BMW repair procedures with correspondingly trained personnel.

Approved engine oils

The quality of the engine oil selected has critical significance for the operation and service life of an engine. BMW continuously approves specific oils after confirming their suitability for use in its vehicles with extensive testing.

Do not use oil additives, as these may result in engine damage.◀

Your BMW center will be happy to answer detailed questions on BMW High Performance Synthetic Oil or approved synthetic oils.◀

You can also call BMW of North America at 1-800-831-1117 or visit the website at www.bmwusa.com to obtain this information.

Viscosity grades

Viscosity is a measure of an oil's flow rating and is specified in SAE grades.

Approved oils belong to the SAE grade 10W-60.◀

Alternative oil types

If BMW High Performance Synthetic Oil is unavailable, you can add small quantities of other synthetic oils between oil changes.
Only use oils with the following specifications:

- Viscosity
  preferred: SAE 10W-60;
  alternative: SAE 10W-40, SAE 5W-50 or SAE 10W-50
- Specification
  API SJ/CF, API SK/CF or higher

Low ambient temperatures

The oils used by BMW from the factory for your vehicle model can be used at virtually all ambient temperatures. However, if the vehicle is operated for a longer period at temperatures below –4 °F /–20 °C, your BMW center will be happy to recommend a suitable oil.

Coolant

Do not add coolant to the cooling system when the engine is hot. Escaping coolant can cause burns.◀

Coolant is comprised of water and coolant additive. Not all commercially available additives are suitable for your BMW. Ask your BMW center for suitable additives.

Only use suitable additives, otherwise engine damage may result. The additives present a health hazard; observe the instructions on the containers.◀

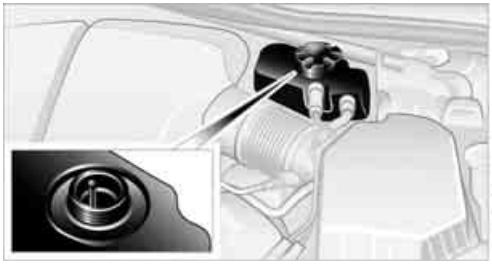
Comply with the appropriate environmental protection regulations when disposing of coolant additives.◀

Checking coolant level

1. The engine must be at ambient temperature.
2. Turn the cap of the expansion tank counterclockwise to allow any accumulated pressure to escape, then continue turning to open.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

3. The coolant level is correct when the upper end of the float rod is at the same height as the upper edge of the filler neck, also refer to the drawing next to the filler neck.



4. If the coolant is low, slowly add coolant up to the specified level – do not overfill.
5. Turn the cap until there is an audible click.
6. Have the reason for the coolant loss eliminated as soon as possible.

Brake system

Malfunctions

Brake fluid

BRAKE The warning lamp lights red up in spite of the handbrake being released; a message is shown on the Control Display: stop immediately.
The brake fluid in the reservoir has fallen to below the minimum level. At the same time, a considerably longer brake pedal travel may be noticeable. Have the system thoroughly checked.

Display of the previously described malfunction on Canadian models.

When you continue driving, an increased brake pedal path can be necessary, and significantly longer braking distances might be required. Please adapt your driving style accordingly.◀

Brake pads

BRAKE The warning lamp lights red up in spite of the handbrake being released; a message is shown on the Control Display. The brake pads have reached their minimum pad thickness. Have brake pads replaced immediately.

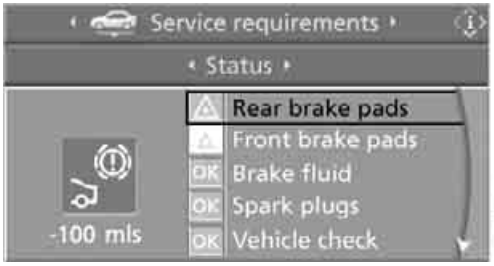
Display of the previously described malfunction on Canadian models.

For your own safety: use only brake pads that BMW has approved for the corresponding vehicle model. As BMW cannot assess the suitability of other brake pads for use on your vehicle, we are unable to assume continued responsibility for the vehicle's operating safety if non-approved pads are installed.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Maintenance

BMW maintenance system



The BMW maintenance system supports the preservation of the traffic and operating safety of your BMW. The service schedule also includes operations related to the vehicle's comfort and convenience features, such as replacement of the filters for the inside air. The ultimate objective is to ensure economical maintenance by providing the ideal service for your vehicle.

Should the day come when you decide to sell your BMW, a complete dealer service history will prove to be an asset of inestimable value.

CBS Condition Based Service

Sensors and special algorithms take the different driving conditions of your BMW into account. Condition Based Service uses this to determine the current and future service requirements. By letting you define a service and maintenance regimen that reflects your own individual requirements, the system builds the basis for trouble-free driving.

You can set the Control Display to show remaining distances and times of selected maintenance intervals and legally mandated deadlines, refer to page 66:

- Engine oil
- Brake pads, front and rear separately
- Microfilter/activated-charcoal filter
- Brake fluid
- Spark plugs
- Vehicle check
- Legally mandated inspections depending on local regulations

Service data in remote control

Your vehicle stores the information required maintenance continuously in the remote control during driving. After accessing the data stored in the remote control, your BMW Service Advisor can suggest precisely the right array of service procedures for your own individual vehicle. You should therefore hand over the remote control you last used to drive to the BMW Service Advisor when you take your vehicle in for service.

Make sure the date is always set correctly, refer to page 71, as otherwise the effectiveness of CBS Condition Based Service is not ensured.◀

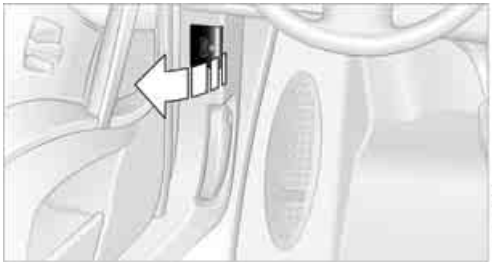
Service and Warranty Information Booklet for US models and Warranty and Service Guide Booklet for Canadian models

Please consult your Service and Warranty Information Booklet for US models and Warranty and Service Guide Booklet for Canadian models for additional information on service requirements.

BMW recommends that you have service and repair operations performed at your BMW center.
Take the time to ensure that these service procedures are confirmed by entries in your vehicle's Service and Warranty Information Booklet for US models and Warranty and Service Guide Booklet for Canadian models. These entries verify that your vehicle has received the specified regular maintenance.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Socket for OBD Onboard Diagnostics interface



Components which are decisive for the exhaust-gas composition can be checked via the OBD socket with a device.

This socket is located to the left on the driver's side, on the underside of the instrument panel under a cover.

Exhaust-gas values

The warning lamp lights up. The exhaust-gas values worsen. Have the vehicle checked as soon as possible.

Display of the previously described malfunction in Canadian models.

The lamp flashes under certain conditions. This is a sign of excessive misfiring of the engine. In this case you should reduce speed and drive to the nearest BMW center as soon as possible. Heavy engine misfiring led to serious damage to the emission-relevant components, especially the catalytic converter, within a short time.

If the fuel filler cap is not properly tightened, the OBD system can close when fuel vapor escapes. Then a display light up. If the cap is then tightened, the display will go out within a few days.◀

Event Data Recorders

Your vehicle may be equipped with one or several measuring and diagnosis modules, or with a device for recording or transmitting certain vehicle data or information. If you have also signed a contract of participation for BMW Assist, certain vehicle data can be transmitted or recorded to enable corresponding services.

Care

Important information on the care and maintenance of your BMW is contained in the Caring for your vehicle brochure.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Replacing components

Onboard toolkit

The onboard toolkit is located in the luggage compartment lid.

Loosen the wing nut to open.

Wiper blade replacement

1. Fold the wiper arm out and grasp firmly.
2. Press the safety tabs together while sliding the wiper blade toward the front to disengage it.
3. Mount the new wiper blade and slide in until it is heard to engage.

Lamps and bulbs

Lamps and bulbs make an essential contribution to vehicle safety. You must be duly diligent in replacing them. BMW recommends having your BMW center perform any work that you do not feel competent to perform yourself or that is not described here.

Never touch the glass of new bulbs with your bare fingers, as even minute amounts of contamination will burn into the bulb's surface and reduce its service life. Use a clean cloth, napkin, etc., or hold the bulb by its metal socket.◀

A selection of replacement bulbs is available at your BMW center.

Whenever you perform any work on the electrical system, turn off the consumers involved to prevent short circuits from occurring. To avoid possible injury or equipment damage when replacing bulbs, observe any instructions provided by the bulb manufacturer.◀

For care and maintenance of the headlamps, please follow the instructions in the separate Caring for your vehicle brochure.

For bulbs for which changing is not described, and for checking and adjusting headlamp aim, please contact your BMW center.◀

Light-emitting diodes LEDs

Light-emitting diodes installed behind translucent lenses serve as the light source for many of the controls and displays in your vehicle. These light-emitting diodes, which operate using a concept similar to that applied in conventional lasers, are officially designated as Class 1 light-emitting diodes.

Do not remove the covers, and never stare into the unfiltered light for several hours, as irritation of the retina could result.◀

Xenon lamps

The service life of these bulbs is very long and the probability of a failure is very low, provided that they are not switched on and off an unusual number of times.

Have work on the Xenon lighting system performed only by your BMW center or a workshop that works according to BMW repair

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

procedures with correspondingly trained personnel. Due to the high voltage present in the system, there is a danger of fatal injuries when work is carried out improperly.◀

Parking and roadside parking lamps

In the event of a malfunction, please go to your BMW center or a workshop that works according to BMW repair procedures with correspondingly trained personnel.

Turn signals, front

Bulb 21 watts, PY 21 W

1. Turn the bulb holder to the left and remove.

2. Apply gentle pressure to the bulb while turning it to the left for removal and replacement.

Side-mounted turn signals

Bulb 5 watts, W 5 W

1. Press back against the front edge of the light with the tip of your finger, then pivot it out.

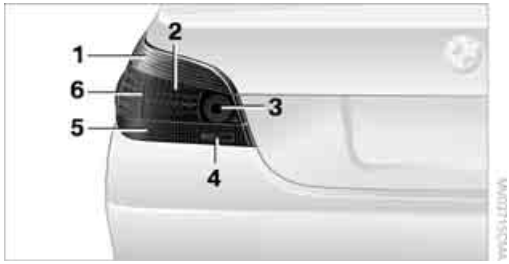
2. Turn the bulb holder to the left and remove.
3. Remove the bulb for replacement.

Side marker lamps, front and rear

To replace, please go to your BMW center or a workshop that works according to BMW repair procedures with correspondingly trained personnel.

Tail lamps

- Turn signals: bulb 21 watts, PY 21 W
- Backup lamps: bulb 16 watts, W 16 W
- Other lamps: bulb 21 watts, P 21 W



1 Turn signal
2 Tail lamp and brake lamp
3 Tail lamp and brake lamp
4 Backup lamp
5 Reflector
6 Roadside parking lamp, tail lamp and brake lamp

Center brake lamp

This lamp uses LED technology for operation. In the event of a malfunction, please go to your BMW center or a workshop that works according to BMW repair procedures with correspondingly trained personnel.

Fender-mounted lamps

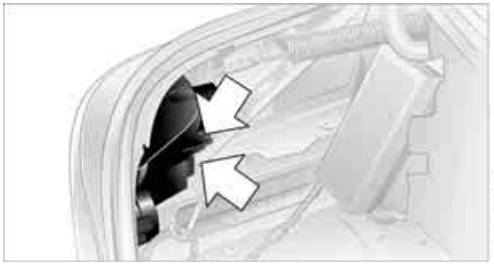
The illustration shows the left-hand side of the luggage compartment.

All the bulbs are integrated into a central bulb fitting.

1. Lift up floor mat.
2. Undo the quick-release fasteners of the side panel and pull out the panel.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

3. Press together the two clips at the top and bottom on the bulb fitting and remove the bulb fitting.



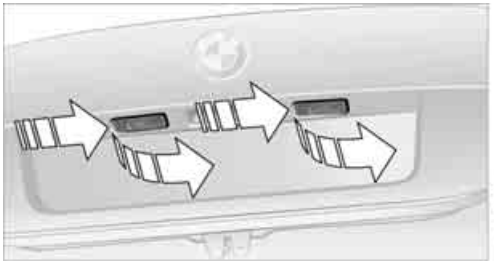
4. Backup lamps:
   Remove and replace the bulb.
   Other lamps:
   Apply gentle pressure to the bulb while turning it to the left for removal and replacement.

Lamps in luggage compartment lid

License plate lamp

Bulb 5 watts, C 5 W

1. Insert screwdriver into the slot and press to the right, refer to arrows. This releases the lamp.



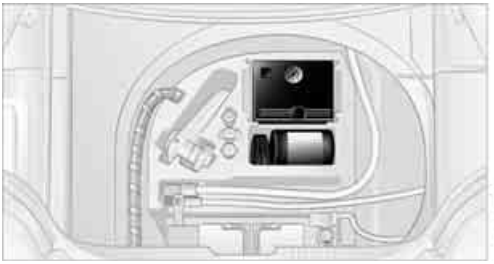
2. Remove the lamp and replace the bulb.

Repairing flat tire with M Mobility System

To repair a flat tire, an M Mobility System is provided in the BMW M5. Using this system you can apply a sealant in the inside of the tire, seal off the damaged area, restore the tire inflation pressure and then continue driving.

Safety measures in case of a breakdown: park the vehicle as far as possible from passing traffic and on solid ground. Switch on the hazard warning flashers.
Lock the steering wheel in straight-ahead setting of the wheels. Set the handbrake and engage the first or reverse gear. Have all vehicle occupants get out of the vehicle and ensure that they remain outside the immediate area in a safe place, such as behind a guardrail.
If a warning triangle or portable hazard warning lamp is required, set it up on the roadside at an appropriate distance from the rear of the vehicle. Comply with all safety guidelines and regulations.◀

Preparation



The M Mobility System is located in the luggage compartment under the floor panel flap.

Do not remove foreign bodies which have penetrated the tire if possible.

Corresponding information on using the M Mobility System are also provided on the device.◀

Before using the M Mobility System, observe the information on the sealant bottle.◀

Pull the sticker for the speed limit off the sealant bottle and apply it to the steering wheel.

Please observe the best-by date on the sealant bottle.◀

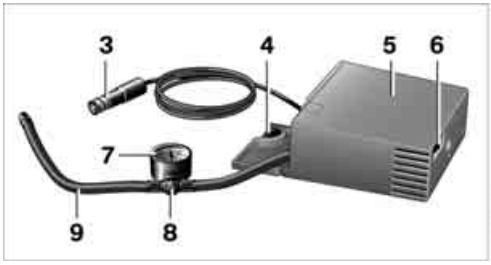
Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

The M Mobility System consists of

1 Sealant bottle and sticker with speed limit

2 Filling hose from sealant bottle to wheel

Model with pressure gauge on hose*



3 Connector and cable for lighter socket

4 Mounting for sealing bottle

5 Compressor

6 On/Off switch

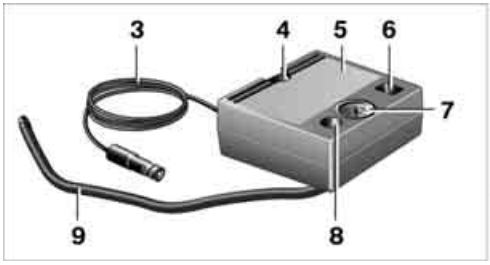
7 Pressure gauge for indicating tire inflation pressure

8 Screw on pressure gauge for reducing tire inflation pressure

9 Connecting hose for connecting compressor and sealant bottle or compressor and wheel

Connector, cable and connecting hose are stored in the compressor housing.

Model with pressure gauge integrated in housing*



3 Connector and cable for lighter socket

4 Mounting for sealing bottle

5 Compressor

6 On/Off switch

7 Pressure gauge for indicating tire inflation pressure

8 Button for reducing tire inflation pressure

9 Connecting hose for connecting compressor and sealant bottle or compressor and wheel

Connector, cable and connecting hose are stored on underside of compressor.

Using M Mobility System

To repair a flat tire with the M Mobility System, proceed as follows:

- ▷ Fill sealant into wheel, refer to page 191.
- ▷ Distribute sealant, refer to page 192.
- ▷ Produce tire inflation pressure, refer to page 192.

Filling sealant into wheel

Strictly comply with the specified order, otherwise highly pressurized sealant could escape.◀

1. Shake sealant bottle.
2. Screw hose **9** onto connection of sealant bottle.
3. For model with pressure gauge on hose: Make sure that screw **8** on pressure gauge is closed.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

4. Screw dust cap off valve of defective wheel and screw filling hose **2** of sealant bottle onto valve.
5. Insert sealant bottle on compressor housing so that it is positioned upright.

6. Make sure that device is switched off, position 0.
7. Insert connector **3** into lighter socket in vehicle interior, refer to page 97.
8. With the ignition switched on:
   Switch on the device and allow to run for approx. 3 minutes to fill wheel with sealant. It is not important what inflation pressure the tire has after filling.
9. Switch off device.
10. Remove connecting hose from connection of sealant bottle and tire valve.
    Stow the M Mobility System in the vehicle again.

Distributing sealant

Immediately drive approx. 2 miles/3 km so that sealant is evenly distributed in tire.

Do not exceed a maximum speed of 35 mph/60 km/h. Do not drop below 12 mph/20 km/h if possible.◀

Producing tire inflation pressure

1. After approx. 2 miles/3 km, stop at suitable location.
2. Screw compressor hose **9** directly onto tire valve.
3. Insert connector **3** in lighter socket in vehicle interior.
4. Correct tire inflation pressure to 29 psi/200 kPa. With the ignition switched on:
   - ▷ Increase inflation pressure: switch on compressor, position I. To check currently set inflation pressure, briefly switch off device.

     Do not allow compressor to run longer than 10 minutes, otherwise the device will overheat and may be damaged.◀
   - ▷ Reduce inflation pressure: press button **8** or turn screw **8** on pressure gauge.

If the inflation pressure is not held, drive the vehicle again, refer to Distributing sealant. Then repeat steps 1 to 4 once. Using the M Mobility System can be ineffective with tire damage from a size of approx. 0.16 in/4 mm. Please contact the nearest BMW center, refer to page 197, or a workshop that works according to BMW repair procedures with correspondingly trained personnel if the tire cannot be made ready for driving with the M Mobility System.◀

The tire inflation pressure must be at least 29 psi/200 kPa. Otherwise do not continue driving.◀

Continue driving

Do not exceed the permissible maximum speed of 50 mph/80 km/h, otherwise accidents can occur.◀

Reinitialize the Flat Tire Monitor. For details, refer to page 77.
Have the defective tire and the sealant bottle of the M Mobility System replaced as soon as possible.◀

Changing wheels

Safety precautions in the event of a flat tire or wheel change: park the vehicle as far as possible from passing traffic and on solid ground. Switch on the hazard warning flashers. Lock the steering wheel in straight-ahead setting of the wheels. Set the handbrake and

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

engage a driving position with the selector lever.
Have all vehicle occupants get out of the vehicle and ensure that they remain outside the immediate area in a safe place, such as behind a guardrail.
If a warning triangle* or portable hazard warning lamp is required, set it up on the roadside at an appropriate distance from the rear of the vehicle. Comply with all safety guidelines and regulations.
Change the wheel only on a level, firm surface which is not slippery. The vehicle or the jack could slip to the side if you attempt to raise the vehicle on a soft or slippery surface such as snow, ice, tiles, etc.
Position the jack on a firm support surface.
Do not use a wooden block or similar object as a support base for the jack, as this would prevent it from extending to its full support height and reduce its load-carrying capacity.
To avoid serious or fatal injury: never lie under the vehicle, and never start the engine while it is supported by the jack.◀

What you will need

To avoid rattling noises later on, note the positions of the tools before removing them, then return them to their initial positions after completing work.

1 Chock*

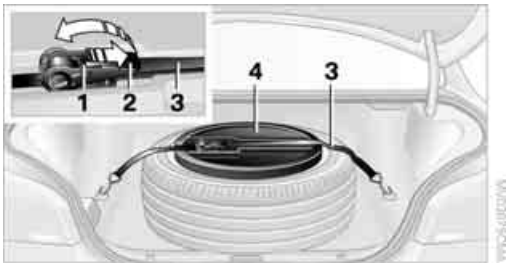
2 Vehicle jack*

3 Lug wrench*

The tools are located in the hollow of the spare wheel*.

Spare wheel*

1. Pull back lock **1**, fold open clamp lock **2** completely and loosen the belt **3**.



2. Remove the cover **4**.
3. Take the tool mount out of the spare wheel.
4. Remove the spare wheel.

Preparing wheel change

1. Observe the safety precautions above.
2. Prevent the vehicle from rolling:
   Place the chock behind the front wheel on the other side of the vehicle, or on inclines, in front of this wheel. On a steep grade, take other steps to prevent the vehicle from rolling.
3. Loosen the lug bolts a half turn.

Jacking up vehicle

1. Position the vehicle jack at the jacking point closest to the wheel so that the entire surface of the jack base rests on the ground perpendicularly beneath the jacking point.

   The vehicle jack is designed for changing wheels only. Do not attempt to raise another vehicle model with it or to raise any load of any kind. To do so could cause accidents and personal injury.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

2. Guide the jack head into the rectangular recess of the jacking point when cranking up, refer to illustration detail.

3. Jack the vehicle up until the wheel you are changing is raised from the ground.

Mounting a wheel

1. Unscrew the lug bolts and remove the wheel.
2. Remove accumulations of mud or dirt from the mounting surfaces of the wheel and hub. Also clean the lug bolts.
3. Position the new wheel or spare wheel. Secure the wheel by screwing at least two lug bolts into opposite bolt holes.
   When you mount wheels other than Genuine BMW light-alloy wheels, different lug bolts may also be required.
4. Screw in the remaining lug bolts. Tighten all the bolts securely in a diagonal pattern.
5. Lower the vehicle and remove the jack from beneath the vehicle.

After mounting

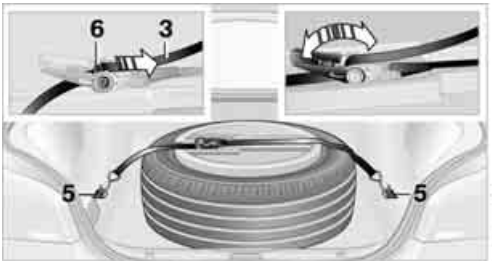
1. Tighten the lug bolts in a diagonal pattern.

   To ensure safety, always have the lug bolts checked with a calibrated torque wrench as soon as possible to ensure that they are tightened to the specified torque. The tightening torque is 88.5 lb ft/120 Nm.◀
2. Check and correct the tire inflation pressure at the earliest opportunity.

   Protect valve stems and valve stem seal caps against dirt and contamination. Dirt in valve stems is a frequent source of gradual air loss.◀
3. Initialize the Flat Tire Monitor, refer to page 77, and the Sequential Manual Transmission, refer to After changing wheels/tires on page 180.
4. Replace the damaged tire as soon as possible and have the new wheel/tire balanced.

Stowing wheel and tools

1. Lay the wheel in the tool mounting.
2. Lay the cover on the mounting.
3. Center the wheel and cover relative to the lashing eyes **5**.
4. Hook the belt into the lashing eyes.



5. Completely open the tensioning lock.
6. Thread the belt **3** through the axis **6** of the tensioning lock without twisting it and tension it by hand.
7. Tighten the belt firmly with the tensioning lock by opening and closing the lock several times.
8. Fold the tensioning lock closed and stow the protruding belt end.

Driving with spare wheel

With certain wheel-and-tire combinations the size of the spare wheel differs from that of the other wheels. The spare wheel is equivalent to them in all load and speed ranges. However, to restore the original state, the normal wheel should be remounted as soon as possible.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Vehicle battery

Battery care

The battery is 100% maintenance-free, i.e., the electrolyte will last for the life of the battery when the vehicle is operated in a temperate climate. Your BMW center will be glad to advise in all matters concerning the battery.

Charging battery

Only charge the battery in the vehicle via the terminals in the engine compartment with the engine off. Connections, refer to Jump starting on page 197.

Disposal

Have old batteries disposed of by your BMW center or hand them in to a recycling center. Maintain the battery in an upright position for transport and storage. Always restrain the battery to prevent it from tipping over during transport.◀

Power failure

After a temporary power loss, the functioning of some equipment may be limited and require reinitialization. Individual settings are also lost and must be updated:

- Seat, mirror and steering wheel memory
  The positions must be stored again, refer to page 42.
- Time and Date
  The values must be updated, refer to page 71.
- Radio
  Stations must be stored again if necessary, refer to page 138.
- Navigation system
  Wait until the system starts, refer to page 129.

Fuses

Never attempt to repair a blown fuse and do not replace a defective fuse with a substitute of another color or amperage rating, as this could lead to a circuit overload, ultimately resulting in a fire in the vehicle.◀

Spare fuses, plastic tweezers and fuse allocation diagram are located in the compartment for the onboard tool kit, refer to page 188.

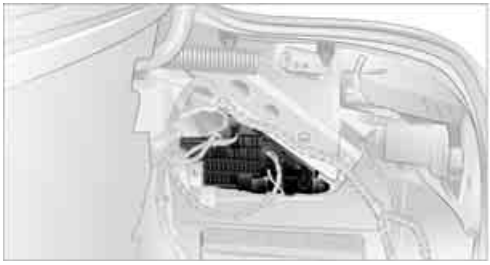
In glove compartment

1. Release both quick-release fasteners.

2. Fold the cover forward or remove.

In luggage compartment

1. Lift up floor mat.
2. Release the quick-release fastener of the right side panel and pull out the panel.



Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Giving and receiving assistance

Emergency call

Conditions for an emergency call:

- Full preparation package mobile phone. With this equipment, an emergency call is still possible when no mobile phone is logged on in the vehicle.
- BMW Assist is enabled. Enabling BMW Assist, refer to page 167.
- Radio readiness is activated.
- The car phone is logged on to a mobile communications network.
- The emergency call system is operable.

When the contract of participation with BMW Assist expires, the car phone can be deactivated by a BMW center without having to visit a workshop. Following deactivation of the car phone, no emergency calls can be made. The car phone can be reactivated after signing a new contract with a BMW center.

Initiating an emergency call

1. Briefly press protective cover to open. Depending on the vehicle's equipment, the arrangement of the switches and indicator lamps may differ somewhat.

2. Press the button for at least 2 seconds.

The LED in the button lights up. As soon as the voice connection to the BMW Assist response center has been established, the LED flashes.

If conditions allow, remain in the vehicle until the connection has been established. You will then be able to provide a detailed description of the situation.

If the current position of your vehicle can be determined, it will be forwarded to the BMW Assist response center.

If the LED flashes, but you are unable to hear the BMW Assist response center through the hands-free system, this could indicate, for instance, that the hands-free system is no longer operational. However, you may then still be audible for the response center.

Under certain conditions, an emergency call is automatically initiated immediately after a severe accident. The automatic emergency call is not affected by the button being pressed.

For technical reasons, the emergency call cannot be guaranteed under unfavorable conditions.◀

Warning triangle*

The warning triangle is located in the luggage compartment lid.

Loosen the wing nut to open.

First-aid kit*

Some of the articles contained in the first-aid kit have a limited service life. Therefore, check the expiration dates of the contents regularly and replace the contents concerned in good time if necessary.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

The first-aid kit is located in the luggage compartment lid.

Loosen the wing nut to open.

Roadside Assistance*

The Roadside Assistance of the BMW Group offers you assistance in the event of a breakdown around the clock, including on weekends and public holidays.

The phone numbers of the Roadside Assistance in your home country can be found in the Contact brochure.

With BMW Assist or TeleService, you can contact the Roadside Assistance of the BMW Group for assistance in the event of a breakdown directly via iDrive, refer to page 169.

Jump starting

When your battery is discharged, you can use two jumper cables to start your BMW with power from the battery in a second vehicle. You can also use the same method to help start another vehicle. Use only jumper cables with fully-insulated clamp handles.

To avoid the risk of potentially fatal injury, always avoid all contact with electrical components while the engine is running. Carefully adhere to the following sequence, both to prevent damage to one or both vehicles, and to guard against possible personal injuries.◀

Preparation

1. Check whether the battery of the other vehicle has a voltage of 12 Volts and approximately the same capacitance in Ah. This information can be found on the battery.
2. Switch off the engine of the assisting vehicle.
3. Switch off any electrical systems and components in both vehicles.

There must not be any contact between the bodies of the two vehicles, otherwise there is a danger of shorting.◀

Connecting jumper cables

To avoid personal injury from sparks, follow this sequence when connecting jumper cables.◀

In your BMW M5, the so-called auxiliary terminal for jump starting in the engine compartment serves as a positive terminal for the battery, also refer to engine compartment overview on page 182. The cover cap is marked with a +.

1. Fold open the cover of the BMW starting-aid terminal. To do so, pull the tab.

2. Attach one end of the jumper cable plus/+ to the positive terminal of the battery or a starting-aid terminal of the vehicle providing assistance.
3. Attach the second end of the cable to the positive terminal of the battery or to a starting-aid terminal of the vehicle to be started.
4. Attach one end of the jumper cable minus/– to the negative terminal of the battery or to an engine or body ground of the assisting vehicle.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Your BMW M5 has a special nut as body ground or negative terminal.

5. Attach the second end of the cable to the negative terminal of the battery or to the engine or body ground of the vehicle to be started.

Starting engine

1. Start the engine on the assisting vehicle and allow it to run at idle for several minutes at slightly increased speed.
2. Start the engine on the other vehicle in the usual way.
   If the first starting attempt is not successful, wait a few minutes before another attempt in order to allow the discharged battery to recharge.
3. Let the engines run for a few minutes.
4. Disconnect the jumper cables by reversing the connection sequence.

Check the battery and recharge if necessary.

Never use spray fluids to start the engine.◀

Tow-starting and towing

Observe applicable laws and regulations for tow-starting and towing.◀

Do not transport any passengers other than the driver in a vehicle that is being towed.◀

Using tow fitting

The screw-on tow-fitting must always be carried in the vehicle. It can be screwed in at the front or rear of the BMW M5.

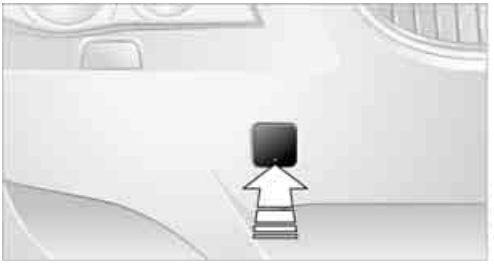
It is located in the toolkit in the luggage compartment lid, refer to page 188.

Use only the tow fitting provided with the vehicle and screw it all the way in. Use the tow fitting for towing only on roads. Avoid lateral loading of the tow fitting, e.g. do not lift the vehicle by the tow fitting. Otherwise damage to the tow fitting and the vehicle can occur.◀

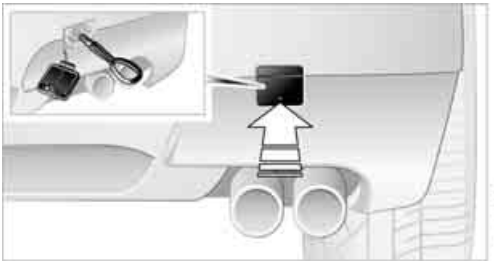
Access to screw thread

Rectangular cover panel in bumper: press on the arrow symbol on the cover panel.

Front



Rear



Being towed

Make sure that the ignition is switched on, refer to page 53, otherwise the low beams, tail lamps, turn signals and windshield wipers would not be available. If the vehicle electrical system fails, do not tow-start or tow the vehicle. The electric steering-wheel lock cannot be unlocked and the vehicle cannot be steered. For information on jump starting, refer to page 197. There is no power assistance with the engine stopped. This then requires increased effort for braking and steering.◀

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Switch on the hazard warning flashers depending on the local regulations. If the electrical system fails, mark the vehicle to be towed, e.g. with a sign or warning triangle in the rear window.

Engage selector lever position N with the ignition switched on.

Towing methods

Do not lift vehicle by tow fitting or body and chassis parts, otherwise damage may result.◀

In some countries, towing with tow bars or ropes in public traffic is not permitted. Familiarize yourself with the regulations on towing in the respective country.

With tow bar

The towing vehicle may not be lighter than the vehicle to be towed, otherwise it will not be possible to reliably control vehicle response.◀

The tow fittings used should be on the same side on both vehicles. Should it prove impossible to avoid mounting the tow bar at an offset angle, please observe the following:

- Clearance and maneuvering capability will be sharply limited during cornering.
- When mounted at an angle, the tow bar will exert lateral forces, tending to push the vehicle sideways.

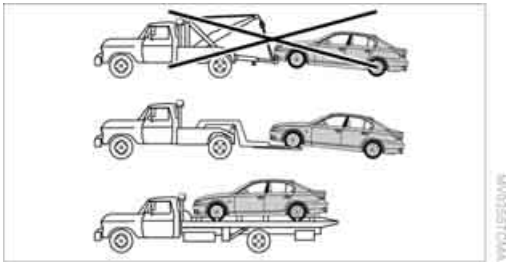
Only attach the tow bar to the tow fittings, as attachment to other vehicle parts can lead to damage.◀

With tow rope

When starting off in the towing vehicle, make sure that the tow rope is taut.

To avoid jerking and the associated stresses on vehicle components when towing, always use nylon ropes or nylon straps. Only attach tow ropes to the tow fittings, as attachment to other vehicle parts can lead to damage.◀

With tow truck



Have the BMW transported with a tow truck with a so-called lift bar or on a flat bed.

Tow-starting

Do not tow-start the vehicle if possible, but instead start the engine by means of jump starting, refer to page 197. With a catalytic converter, the vehicle should only be tow-started with the engine cold.

If the electrical system fails, do not tow-start or tow the vehicle, as otherwise the electric steering-wheel lock cannot be unlocked and the vehicle cannot be steered.◀

1. Switch on the hazard warning flashers, comply with country-specific regulations.
2. Switch on the ignition, refer to page 53.
3. Tow-start in selector lever position N.
4. Move the selector lever into the drive position and pull toward + within 2 seconds. The correct gear will be selected and engaged automatically.
5. Stop at a suitable location, remove the tow bar or rope and switch off the hazard warning flashers.
6. Have the vehicle checked.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Reference

This chapter contains the technical data, the short commands of the voice command system, and the index that will direct you as quickly as possible to the information you are looking for.

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

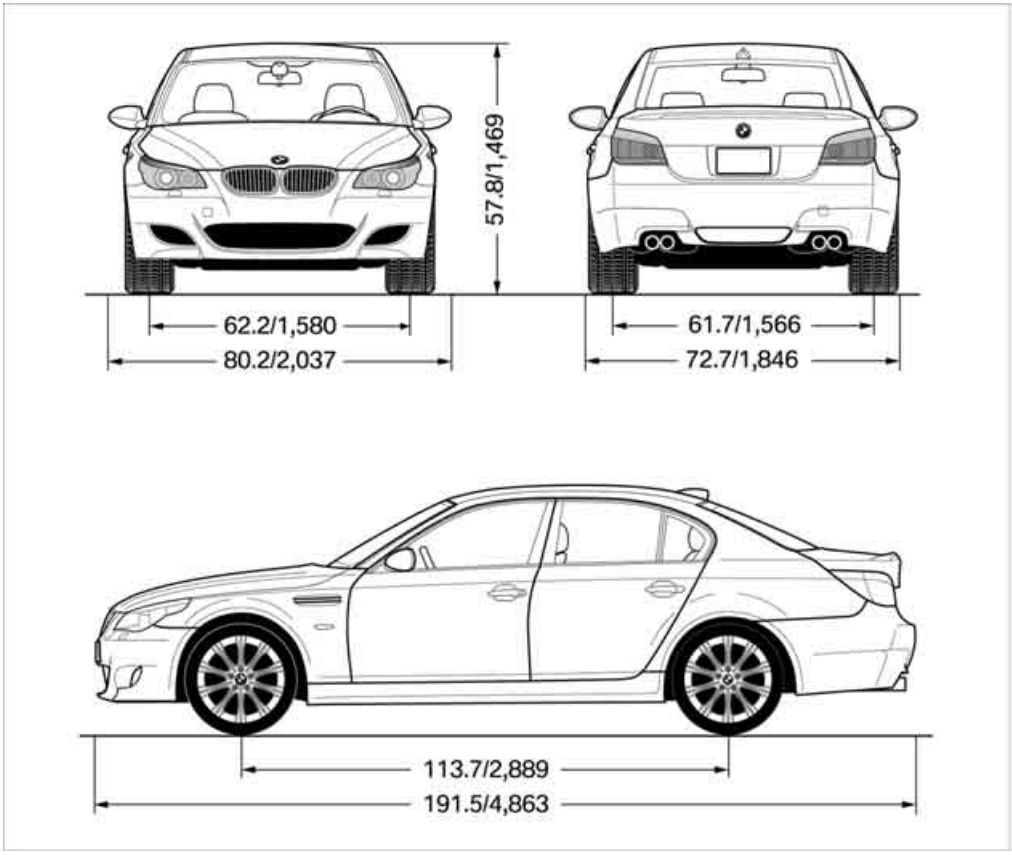
Technical data

Engine data

		M5
Displacement	cu in/cm³	305.1/4,999
No. of cylinders		10
Maximum output	hp	500
at engine speed	rpm	7,750
Maximum torque	lb ft/Nm	383/520
at engine speed	rpm	6,100

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Dimensions



All dimensions given in inches/mm. Smallest turning circle diam.: 40.7 ft/12.4 m

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Weights

		M5
Curb weight	lbs./kg	4,012/1,820
Approved gross vehicle weight	lbs./kg	5,071/2,300
Load	lbs./kg	1,058/480
Approved front axle load	lbs./kg	2,403/1,090
Approved rear axle load	lbs./kg	2,800/1,270
Approved roof load capacity	lbs./kg	220/100
Luggage compartment capacity	cu ft/l	17.7/500

Never exceed either the approved axle loads or the gross vehicle weight.

Capacities

			Notes
Fuel tank	gal/liters	approx. 18.5/70	Fuel grade: page 175
of that reserve	gal/liters	approx. 4/15	
Window and headlamp washer system	US quarts/liters	approx. 5.3/5	For more details: page 59
Engine with oil filter change	US quarts/liters	9.8/9.25	Oil grades: page 184

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Short commands of voice command system*

With short commands you can carry out certain functions directly, regardless of which menu item is selected. Here are the important short commands for the voice command system.

Assistance window

Function	Command
To open the assistance window 20	›Assistance window‹
To select the display in the assistance window 20	›Assistance window map facing north‹, ›Assistance window map direction of travel‹, ›Assistance window arrow display‹, ›Assistance window perspective‹, ›Assistance window current position‹, ›Assistance window trip computer‹ or ›Assistance window onboard info‹
To change scale in assistance window 126	›Assistance window scale ... feet‹ or ›Assistance window scale ... miles‹

Communication

Function	Command
To open phone 155	›Phone‹
To dial phone number 159	›Dial number‹
To display phone book 159	›A to Z‹
To select from the phone book 159	›Call ...‹ or ›Dial name‹
To display "Top 8" 160	›Top 8‹
To redial 159	›Redial‹
To display "Received calls" 160	›Received calls‹
To display "Missed calls" 160	›Missed calls‹
To display "Bluetooth" 156	›Bluetooth‹
To open BMW Assist 169	›BMW Assist‹
To open "BMW Service" 169	›BMW Service‹
To open "BMW Contact" 161	›BMW Contact‹
To open "BMW Contact Numbers" 161	›BMW Contact numbers‹

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Navigation

Function	Command
To open navigation system 113	›Navigation‹
To open "Enter address" 113	›Enter address‹
To open "New destination" 113	›New destination‹
To display "Input map" 117	›Input map‹
To display destination list 119	›Destination list‹
To display address book 120	›Address book‹
To display route criteria 122	›Route preference‹
To start destination guidance 124	›Start guidance‹
To end destination guidance 124	›Stop guidance‹
To display arrow display 125	›Arrow display‹
To display map display 126	›Map‹,›Map facing north‹, ›Map direction of travel‹ or ›Perspective‹
To change scale 126	›Scale ... miles‹ or ›Scale ... feet‹
To display roads or towns/cities along route 126	›Route list‹
To switch on voice instructions 127	›Navigation info on‹
To switch off voice instructions 127	›Navigation info off‹
To repeat voice instructions 127	›Repeat navigation info‹
To open route 122, 126	›Route‹
To open "New route" 128	›New route‹
To display current position 128	›Current position‹

Onboard info

Function	Command
To open "Car Data" 64	›Car data‹
To display computer 64	›Onboard info‹
To display trip computer 65	›Trip computer‹
To open speed limit 69	›Limit‹
To open stopwatch 70	›Stopwatch‹

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Entertainment

Function	Command
Tone control 133	›Audio‹
To switch on radio 136	›Radio on‹, ›FM on‹ or ›AM on‹
To open "FM" 136	›FM menu‹
To open "AM" 136	›AM menu‹
To open "All stations" 136	›FM All stations‹
To select radio station 136	›Station ...‹ or ›Choose station‹
To open "Presets" 136	›FM presets‹ or ›AM presets‹
To select stored radio station 136	›Choose preset‹
To open "Manual" 137	›FM manual‹, ›AM manual‹ or ›Choose frequency‹, ›Frequency ... Megahertz‹
To open strongest radio stations 137	›AM Autostore‹
To open "WB" 140	›Weatherband menu‹
To switch on weatherband 140	›Weatherband on‹
To select a weatherband station 140	›Choose weatherband station‹
To open "SAT" 142	›SAT radio menu‹
To switch on satellite radio 142	›SAT radio‹
To open "Presets" of satellite radio 143	›SAT radio presets‹
To open "All channels" of satellite radio 142	›SAT radio all channels‹
To open "Categories" of satellite radio 142	›SAT radio categories‹
To open CD player 145	›CD menu‹
To switch on CD player 145	›CD‹
To open CD changer 145	›CD-changer menu‹
To switch on CD changer 145	›CD-changer‹
To select CD 145	›CD 1...6‹
To select music track 146	›CD track ...‹
To select CD and music track 146	›CD 1...6 track ...‹

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Climate

Function	Command
To adjust temperature distribution for front seat heating 45	›Seat heater distribution‹
To open "Vent settings" 89	›Vent settings‹
To open "Automatic programs" 88	›Automatic programs‹
To open "Parked car ventilation" 91	›Parked car operation‹
To open "Automatic ventilation" 91	›Automatic ventilation‹
To display activation times 91	›Activation time‹

i menu

Function	Command
To open "Door locks" 30, 32	›Door locks‹
To open "Steering wheel buttons" 47	›Steering wheel buttons‹
To open MDrive 48	›MDrive‹
To open "Lighting" 59	›Lighting‹
To open "Communication settings" 167	›Communication settings‹
To open "BMW Service settings" 167	›BMW Service settings‹
To open "BMW Service" 169	›BMW service‹
To open "Service requirements" 66, 168	›Service requirements‹
To open "Service" 66, 168	›Service‹
To display "Check Control messages" 68	›Check Control messages‹
To open "Display settings" 70	›Display settings‹
To open "Head-Up Display" 80	›Head-up display‹
To activate speed limit 70	›Limit on‹
To deactivate speed limit 70	›Limit off‹
To set brightness of Control Display 72	›Brightness‹
To open "Units" 72	›Units‹
To open "Languages" 72, 127	›Language‹
To open "Time" 71	›Time‹
To open "Date" 71	›Date‹
To open "PDC" 73	›PDC‹
To open "FTM" 77	›FTM‹
To open "Entertainment settings" 133	›Entertainment settings‹

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Everything from A to Z

Index

"..." Identifies Control Display texts used to select individual functions, and indicates where to find them in the text.

A

ABS Antilock Brake System 74
Accessories 6
Acoustic signal, refer to Check Control 67
Activated-charcoal filter 91
"Activation time" for parked-car ventilation 91
Active head restraints, front 43
"Active seat backrest" 48
Active seat ventilation 45
Adapter for spare key 28
Adaptive brake lamps, refer to Brake force display 78
Adaptive Head Light 84
"Add digits" for mobile phone 160
"Address book" for navigation system 120
Address for navigation
– deleting 121
– entering 113, 116
– selecting 121
– storing 120
– storing current position 120
"Add to address book" 120
"Add to destination list" 116
Adjusting active backrest width 41
Adjusting confirmation signals for locking and unlocking 31
Adjusting the tone during audio operation, refer to Tone control 133
Adjusting thigh support 41
Adjustment in audio mode
– front-to-rear 134
– right/left balance 134
"After door opened" 43
"After unlocking" 43
Airbags 78
– sitting safely 40
– warning lamp 80
Air circulation, refer to Air recirculation 90
Air distribution
– automatic 88
– manual 89
Airing, refer to Ventilation 90
Air recirculation
– AUC Automatic recircu-lated-air control 90
– recirculated-air mode 90
"Air recirculation on / off" 47
Air vents 87
– refer to Ventilation 90
Air volume 89
AKI, refer to Fuel quality 175
Alarm system 34
– avoiding unintentional alarms 35
– interior motion sensor 35
– switching off alarm 35
– switching off tilt alarm sensor and interior motion sensor 35
– tilt alarm sensor 35
"All channels" 143
"All doors" 30
All-season tires, refer to Winter tires 180
"All stations", calling up with radio 136, 139
Alterations, technical, refer to For your own safety 5
Altering stretch of road 128
"AM", reception range 132, 136
Antenna for mobile phone 154
Antifreeze
– coolant 184
– washer fluid 60
Antilock Brake System ABS 74
Anti-theft alarm system, refer to Alarm system 34
Anti-theft system, refer to Central locking system 29
Approved axle loads, refer to Weights 204
Approved engine oils 184
Approved gross vehicle weight, refer to Weights 204
Armrest, refer to Center armrest, rear 98
Around the center console 14
Around the steering wheel 10
Arrival time
– refer to Computer 64
– refer to Starting destination guidance 124
"Arrow display" for navigation system 125
Ashtray
– front 97
– rear 97
Assist, refer to BMW Assist 167
Assistance systems, refer to Driving stability control systems 74
Assistance window 20
"Assist. window off" 21
AUC Automatic recirculated-air control 90

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Audio 132
– controls 132
– switching on/off 132
– tone control 133
– volume 133
"Audio", refer to Tone control 133
"Audio Aux" 132, 151
– on external audio device 151
Audio device, external 96
Automatic
– air distribution 88
– air volume 88
– headlamp control 83
– service notification 168
– steering wheel adjustment, refer to Easy entry/exit 47
– storing stations 137
Automatically switching between high beams and low beams, refer to High-beam assistant 84
Automatic car washes 106
– also refer to Caring for your vehicle brochure
Automatic climate control 87
– automatic air distribution 88
– switching off 90
Automatic closing of doors, refer to Automatic soft closing 33
Automatic curb monitor 46
Automatic lighting
– refer to Automatic headlamp control 83
– refer to Daytime running lamps 84
– refer to High-beam assistant 84
– refer to Interior lamps 86
– refer to Pathway lighting 83
Automatic low-beam function, refer to High-beam assistant 84
"Automatic programs" 88
Automatic recirculated-air control AUC 90
Automatic soft closing 33
Automatic station search 137
"Automatic ventilation" 91
AUTO program for automatic climate control 88
"Autostore" on the radio 136, 138
AUX-In
– connection 96
– refer to External audio device 151
Average fuel consumption 64
– setting the units 72
Average speed, refer to Computer 63
"Avoid ferries" for navigation system 123
"Avoid highways" for navigation system 123
Avoiding freeways for navigation 122
Avoiding unintentional alarms 35
"Avoid tollroads" for navigation system 123
Axle loads, refer to Weights 204
"A - Z" 160

B

Backrest contour, refer to Lumbar support 41
Backrests, refer to Seats 40
Backrest width 41
Back seats, refer to Rear seats
Backup lamps, replacing bulbs 189
"Balance", refer to Tone control 134
Balance, refer to Tone control 134
Band-aids, refer to First-aid kit 196
Bass, refer to Tone control 133
"Bass", tone control 134
Battery, refer to Vehicle battery 195
– jump starting 197
Battery disposal
– remote control with comfort access 37
– vehicle battery 195
Battery replacement, remote control with comfort access 37
Being towed 198
Belts, refer to Safety belts 44
Beverage holder, refer to Cup holders 96
Blower, refer to Air volume 89
"BMW Assist" 169
BMW Assist 167
– enabling 167
– services offered 168
"BMW Contact" 162
"BMW Contact Numbers" 162
BMW homepage 4
BMW maintenance system 186
"BMW Service" 169
"BMW Service settings" 168
BMW website 4
Bottle holder, refer to Cup holders 96
Brake Assistant, refer to DBC Dynamic Brake Control 74
Brake fluid 185
– warning lamp 185
Brake force display 78
Brake lamps
– brake force display 78
– replacing bulbs 189
Brake pads 185
– breaking-in 104
Brake rotors 106
Brakes
– ABS Antilock Brake System 74
– brake fluid 185
– brake force display 78
– brake pads 185
– breaking-in 104
– handbrake 55
– warning lamps 13

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Brake system 104, 185
– brake fluid level 185
– brake pads 104, 185
– breaking-in 104
– disk brakes 106
– warning lamp 185
Braking
– CBC Cornering Brake Control 74
– DBC Dynamic Brake Control 74
– electronic brake-force distribution 74
– refer to Braking safely 106
Braking safely 106
Breakdown, M Mobility System 190
Breakdown assistance 169
Breakdown services, refer to Roadside Assistance 197
Breaking-in the clutch 104
Breaking-in the differential 104
Break-in period 104
"Brightness" 72
Brightness of Control Display 72
Button for starting engine 53
Buttons on steering wheel 11

C

California Proposition 65 Warning 6
"Call" 160
Call
– accepting 158
– displaying accepted 160
– ending 159
– in absence 160
– starting 159
Calling
– from phone book 159
– from Top 8 list 160
– redialing 160
Can holder, refer to Cup holders 96
Capacities 204
Capacity of luggage compartment 204
Car battery, refer to Vehicle battery 195
Car care, refer to Caring for your vehicle brochure
Car-care products, refer to Caring for your vehicle brochure
"Car Data" 64
Care 187
– refer to Caring for your vehicle brochure
Cargo
– refer to Loading 106
– securing 108
– securing with ski bag 100
Cargo area
– capacity 204
– opening with remote control 31
Caring for artificial leather, refer to Caring for your vehicle brochure
Caring for leather, refer to Caring for your vehicle brochure
Caring for light-alloy wheels, refer to Caring for your vehicle brochure
Caring for the carpet, refer to Caring for your vehicle brochure
Caring for the vehicle finish, refer to Caring for your vehicle brochure
Car key, refer to Keys/remote control 28
Car phone 154
– installation location, refer to Center armrest 95
– refer to Mobile phone 154
– refer to separate operating instructions
Car radio, refer to Radio 136
Car wash 106
– also refer to Caring for your vehicle brochure
Catalytic converter, refer to Hot exhaust system 104
"Categories" 143
CBC Cornering Brake Control 74
CBS Condition Based Service 186
"CD" 132, 145
CD changer 145
– controls 132
– fast forward/reverse 149
– installation location 149
– playing a track 147
– random order 148
– repeating a track 148
– selecting a CD 145
– selecting a track 146
– switching on/off 132
– tone control 133
– volume 133
CD player 145
– controls 132
– fast forward/reverse 149
– playing a track 147
– random order 148
– repeating a track 148
– selecting a track 146
– switching on/off 132
– tone control 133
– volume 133
Center armrest
– front 95
– rear 98
Center brake lamp 189
Center console 14
"Central locking" 30
Central locking system 29
– comfort access 36
– from inside vehicle 32
Changes, technical
– refer to For your own safety 5
– refer to Parts and accessories 6
Changing language on Control Display 72
Changing units of measure on Control Display 72
Changing wheels 179, 192

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

CHECK button 68
Check Control 67
"Check Control messages" 68
Check Gas Cap 174
Checking the air pressure, refer to Tire inflation pressure 176
Child-restraint fixing system LATCH 51
Child restraint systems 50
Child-safety lock 52
Child seats 50
Chime, refer to Check Control 67
Chock 193
Chrome parts, care, refer to Caring for your vehicle brochure
Cigarette lighter 97
Cleaning, refer to Caring for your vehicle brochure
"Climate" 45, 88
Clock 63
– 12h/24h mode 71
– setting time and date 71
Closing
– from inside 32
– from outside 30
Closing fuel filler cap 174
Clothes hooks 96
Cockpit 10
Cold start, refer to Starting engine 54
"Comfort", active backrest width adjustment 42
Comfort access 36
– replacing battery 37
Comfort area, refer to Around the center console 14
Comfort operation
– windows with comfort access 36
– with comfort access 36
"Comfort" with EDC 76
"Communication" 158, 169
"Communication settings" 168
Compact Disc
– refer to CD changer 145
– refer to CD player 145
Compartment for remote control, refer to Ignition lock 53
Compartments, refer to Storage compartments 96
Compressed audio files 145
Computer 63
– displays on Control Display 64
– hour signal 71
"Concert hall", refer to Tone control 134
Condition Based Service CBS 186
"Confirmation" 31
Connecting car vacuum cleaner, refer to Connecting electrical devices 97
Consumption, refer to Average fuel consumption 64
Consumption statistics, refer to Average fuel consumption 64
"Continue guidance to destination?" 125
Control Center, refer to iDrive 16
Control Display, refer to iDrive 16
– setting brightness 72
Controller, refer to iDrive 16
Controls, refer to Cockpit 10
Convenience operation
– glass sunroof 30
– windows 30
Convenience start, refer to Starting engine 54
Coolant 184
– checking level 184
– temperature 62
Cooling, maximum 89
Cornering Brake Control CBC 74
Country of destination for navigation 114
Courtesy lamps 86
Cradle for telephone or mobile phone 95
Cruise control 61
Cruising range 64
Cup holders 96
Curb weight, refer to Weights 204
"Current position" 128
Current position
– displaying 128
– entering 120
– storing 120
"Customer Relations" 162, 169
Cylinders, refer to Engine data 202

D

Dashboard, refer to Cockpit 10
Data 202
– capacities 204
– dimensions 203
– engine 202
– technical data 202
– weights 204
"Date" 71
Date
– display format 72
– setting 71
"Date format" 72
Daytime running lamps 84
DBC Dynamic Brake Control 74
"Deactivated" 43
Decommissioning the vehicle, refer to Caring for your vehicle brochure
Defect
– fuel filler door 174
– glass sunroof 39
– luggage compartment lid 34
Defrosting windows 89
Defrosting windows and removing condensation 89
Defrost position, refer to Defrosting windows 89

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

"Delete address book" for navigation system 122
"Delete all numbers" for mobile phone 161
"Delete data" for navigation system 122
"Delete" for mobile phone 161
Destination address
– deleting 121
– entering 113, 116
Destination for navigation
– destination list 119
– entering via voice 116
– entry 113
– selecting from address book 121
– selecting using information 118
– storing 120
Destination guidance 124
– bypassing route sections 128
– canceling voice instructions 47
– changing specified route 122
– displaying routes 125
– distance and arrival 124
– interrupting 124
– starting 124
– terminating/continuing 124
– voice instructions 127
– volume of voice instructions 127
Destination list for navigation 119
Destinations recently driven to 119
"Details" in audio mode 147
"Dial" for mobile phone 159
"Dial number" 159
Digital clock 63
Digital radio, refer to High Definition Radio 140
Dimensions 203
Directional indicators, refer to Turn signals 59
Direction announcements, refer to Voice instructions 127
Direction instructions, refer to Voice instructions 127
Directory for navigation, refer to Address book 120
Displacement, refer to Engine data 202
"Display" 72
Display, refer to iDrive 16
Display lighting, refer to Instrument lighting 86
"Display off" 21
Displays, refer to Instrument cluster 12
"Display settings" 71
Displays on the windshield, refer to Head-Up Display 80
Disposal
– battery of remote control with comfort access 37
– vehicle battery 195
Distance, refer to Computer 64
"Distance to dest." 65
Distance to destination, refer to Computer 64
Distance warning, refer to PDC Park Distance Control 73
Divided rear seat back, refer to Through-loading system 98
Door entry lighting 86
Door key, refer to Keys/ remote control 28
Door lock 32
Door locking, acknowl- edgment signals 31
"Door locks" 30
Doors
– manual operation 32
– remote control 30
DOT Quality Grades 178
Draft-free ventilation 90
Drinks holder, refer to Cup holders 96
Drivelogic 57
Drive mode 56
"Driver's door only" 30
Driving lamps, refer to Parking lamps/low beams 83
Driving notes 104
Driving programs, refer to Drivelogic 57
Driving route, refer to Displaying route 125
Driving stability control systems 74
Driving through water 105
Driving tips, refer to Driving notes 104
Dry air, refer to Cooling function 89
Drying the air, refer to Cooling function 89
"DSC" 48, 75
DSC Dynamic Stability Control 74
– indicator lamp 13, 75
DVD for navigation 112
Dynamic Brake Control DBC 74
Dynamic Stability Control DSC 74
– M Dynamic Mode MDM 75

E

Easy entry/exit 47
– backrest width 42
"EDC" 48
EDC Electronic Damping Control 76
– "Comfort" 76
– "Normal" 76
– "Sport" 76
Eject button, refer to Buttons on CD player 132
Electrical malfunction
– door lock 32
– driver's door 32
– fuel filler door 174
– glass sunroof, electric 39
– luggage compartment lid 34
Electric steering wheel adjustment 47

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Electronic brake-force distribution 74
Electronic Damping Control EDC 76
Emergency call 196
Emergency operation, refer to Manual operation
– door lock 32
– driver's door 32
– fuel filler door 174
– glass sunroof 39
– luggage compartment lid 34
Emergency release for luggage compartment lid in luggage compartment 34
Emergency services, refer to Roadside Assistance 197
"Emission inspect." 67
"Enable services" 168
"End call" 159
Engaging driving position, refer to Selector lever positions 55
Engaging forward position, refer to Selector lever positions 55
Engine
– breaking-in 104
– data 202
– M Engine Dynamic Control 58
– overheated, refer to Coolant temperature 62
– speed 202
– starting 54
– starting, comfort access 36
– starting difficulties 54
– switching off 54
Engine compartment 182
Engine coolant 184
Engine oil
– adding 183
– additives, refer to Approved engine oils 184
– approved engine oil 184
– checking oil level 182
– exact measurement 183
– fast measurement 183
– possible displays 183
Engine oil thermometer 63
Engine output, refer to Engine data 202
Engine overheating, refer to Coolant temperature 62
Engine speed 202
Engine starting, refer to Starting engine 54
"Enter address" 114, 120
Entering destination via town/city name 114
Entering the address 113, 116
Entering the intersection 115
Entering town/city for navigation 114
Entering zip code for navigation 115
"Entertainment" 132
"Entertainment settings" 133, 140
Entertainment sound output on/off 133
Entry map for destination 117
"Equalizer", refer to Tone control 135
Equalizer, refer to Tone control 135
"ESN" 142
ESP Electronic Stability Program, refer to DSC Dynamic Stability Control 74
Event Data Recorders 187
Exhaust system, refer to Hot exhaust system 104
Exterior mirrors 45
– automatic dimming feature 105
– automatic heating 46
– folding in and out 46
– tilting down passenger-side exterior mirror 46
External audio device 96, 151
Eye for tow-starting and towing, refer to Tow fitting 198

F

"Fader", refer to Tone control 134
Fader, refer to Tone control 134
Failure messages, refer to Check Control 67
False alarm, refer to Avoiding unintentional alarms 35
Fastening safety belts, refer to Safety belts 44
– warning lamp 44
Fastest route for navigation 122
"Fast route" for navigation 123
"Favorites" calling up with radio 139
Filling bottle, refer to M Mobility System 190
Filling sealant into wheel 191
First aid, refer to First-aid kit 196
First-aid kit 196
Flashing during locking/unlocking, refer to Setting confirmation signals 31
Flashlight, refer to Rechargeable flashlight 95
Flat tire
– changing wheels 192
– Flat Tire Monitor 76, 77
– M Mobility System 77, 190
– spare wheel 193
Flat Tire Monitor 76
– false alarms 77
– initializing system 77
– show chains 180
– system limits 77
– warning lamp 77
Flat tires, refer to Tire condition 178
"FM", reception range 132, 136
FM, waveband 136
Folding rear seat back 98
Fold-over rear seat back 98

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Footbrake, refer to Braking safely 106
Footwell lamps 86
Forward, fast
– CD changer 149
– CD player 149
For your own safety 5
Freeway, refer to Route criteria 122
Front airbags 78
Front armrest, refer to Center armrest, front 95
Front passenger airbags, deactivating 79
Front seat adjustment 40
"FTM" 77
FTM, refer to Flat Tire Monitor 76
Fuel 175
– capacity 204
– display 63
– high-quality brands 175
– quality 175
– specifications 175
Fuel clock, refer to Fuel gauge 63
Fuel consumption display, refer to Computer, average fuel consumption 64
Fuel display, refer to Fuel gauge 63
Fuel filler door 174
– releasing in the event of electrical malfunction 174
Fuses 195

G

Garage door opener, refer to Integrated universal remote control 93
Gasoline, refer to Required fuel 175
Gasoline display, refer to Fuel gauge 63
Gear changes 56
Gear display, refer to Displays in instrument cluster 56
General driving notes 104
Glass sunroof, electric 38
– auto-remote operation from outside 32
– comfort operation with comfort access 36
– moving manually 39
– remote control 30
Glove compartment 95
– lighting 95
– rechargeable flashlight 95
GPS navigation, refer to Navigation system 112
Grills, refer to Ventilation 90
Gross vehicle weight, refer to Weights 204
Ground clearance 106

H

Handbrake 55
– indicator lamp 13, 55
Hand lamp, refer to Rechargeable flashlight 95
Hands-free system, refer to Microphone 14
Hazard warning flashers 15
HD, refer to High Definition Radio 140
Head airbags 78
Headlamp control, automatic 83
Headlamp flasher 59
Headlamps 83
– care, refer to Caring for your vehicle brochure
– cleaning, refer to Wiper system 60
Head Light, refer to Adaptive Head Light 84
Head restraints 43
– front head restraints, active 43
– sitting safely 40
"Head-Up Display" 48, 80, 82
Head-Up Display 80
– default view 81
– M view 80
– shift lights 58
Heated
– mirrors 46
– rear window 89
– seats 45
Heating
– exterior mirrors 46
– interior 87
– rear window 89
– residual heat 90
– seats 45
Heating with engine switched off, refer to Residual heat 90
Heavy cargo, refer to Securing cargo 108
Height, refer to Dimensions 203
Height adjustment
– seats 41
– steering wheel 47
High-beam assistant 84
High beams 84
– headlamp flasher 84
– indicator lamp 13
High Definition Radio 140
High water, refer to Driving through water 105
Hills 106
Holder for cups 96
"Home address" for navigation system 122
Homepage 4
Hood 181
Horn 10
Hot exhaust system 104
"Hour memo" 71
"House number" for destination entry 116
Hydraulic brake assistant, refer to DBC Dynamic Brake Control 74
Hydroplaning 105

I

IBOC, refer to High Definition Radio 140
Ice, refer to Outside temperature 63

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

ID3 tag, refer to Information on track 147
Idle 56
iDrive 16
– assistance window 20
– automatic climate control with expanded scope 88
– changing date and time 71
– changing language 72
– changing menu page 19
– changing settings 70
– changing units of measure and display type 72
– confirming selection or entry 19
– controller 16
– controls 16
– displays, menus 17
– selecting menu item 19
– setting brightness 72
– start menu 17
– status information 20
– symbols 18
Ignition 53
– switched off 53
– switched on 53
Ignition key, refer to Keys/ remote control 28
Ignition key position 1, refer to Radio readiness 53
Ignition key position 2, refer to Ignition on 53
Ignition lock 53
– starting engine with comfort access 37
Independent ventilation, refer to Parked car ventilation 91
Indicator/warning lamps
– airbags 80
– brake fluid 185
– brake pads 185
– DSC 13, 75
– Flat Tire Monitor 77
– high beams 13
– MDrive 13, 49
– M Dynamic Mode 13, 75
– parking lamps/low beams 13
– safety belt warning 44
Indicator and warning lamps 13
Individual air distribution 89
Individually programmable button on steering wheel 47
Individual settings, refer to MDrive 48
Individual settings, refer to Personal Profile 29
Inflation pressure, refer to Tire inflation pressure 176
Inflation pressure monitoring, refer to Flat Tire Monitor 76
Information
– on another location 118
– on current position 118
– on destination location 118
"Information" for navigation system 118
"Information on destination" 120
"Initializing..." 77
Initializing
– Flat Tire Monitor 77
– radio, refer to Storing stations 138
– refer to Power failure 195
– refer to Setting time and date 71
– seat, mirror and steering wheel memory 42
"Input map" 118
Installation location
– CD changer 149
– mobile phone 95
– navigation drive 112
Instructions for navigation system, refer to Voice instructions 127
Instrument cluster 12
Instrument illumination, refer to Instrument lighting 86
Instrument lighting 86
Instrument panel
– refer to Cockpit 10
– refer to Instrument cluster 12
Integrated key 28
Integrated universal remote control 93
Interesting destination for navigation 118
"Interim time" 70
Interior lamps 86
– switching on with remote control 31
Interior motion sensor 35
– switching off 35
Interior rearview mirror 46
– automatic dimming feature 105
Intermittent mode of the wipers 59

J

Jacking points 193
Joystick, refer to iDrive 16
Jumpering, refer to Jump starting 197
Jump starting 197

K

Keyless-Go, refer to Comfort access 36
Keyless opening and closing, refer to Comfort access 36
Key Memory, refer to Personal Profile 29
"Keypad" 162
Keys 28
– key-related settings, refer to Personal Profile 29
Knock control 175

L

Lamps, refer to Parking lamps/ low beams 83
Lamps and bulbs 188
"Languages" 72
– for navigation system 127
Lashing eyes, refer to Securing cargo 108

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Last destinations, refer to Destination list 119
"Last seat pos." 43
LATCH child-restraint fixing system 51
Length, refer to Dimensions 203
License plate lamp, replacing bulbs 190
Light-emitting diodes LEDs 188
Lighter 97
Lighter socket 97
"Lighting" 59, 83
Lighting
– instruments 86
– of the vehicle, refer to Lamps 83
– refer to High-beam assistant 84
Light switch 83
"Limit" 69
Loading
– securing cargo 108
– stowing cargo 107
– vehicle 106
"Lock after driving" 33
Lock buttons in the doors, refer to Locking 33
Locking
– from inside 33
– from outside 31
– setting confirmation signals 31
– without key, refer to Comfort access 36
Locking and unlocking doors
– from inside 32
– from outside 30
– setting confirmation signals 31
Locking out, refer to Unlocking 36
Locking without key, refer to Comfort access 36
Low beams 83
– automatic 83
– indicator lamp 13
Lower back support, refer to Lumbar support 41
Lug bolts 193
– tightening torque, refer to After mounting 194
– wrench 193
Luggage compartment
– capacity 204
– emergency release 34
– opening/closing, refer to Luggage compartment lid 33
– opening from inside 33
– opening from outside 33
– opening with remote control 31
– socket 98
Luggage compartment lid 33
– emergency release 34
– locking with remote control 31
– opening from inside 33
– opening from outside 33
– opening with remote control 31
– unlocking and locking from inside 32
Luggage rack, refer to Roof-mounted luggage rack 108
Lumbar support 41
LW, waveband 136

M

M Dynamic Mode MDM 75
– indicator lamp 13, 75
M Engine Dynamic Control 58
– "P 400" 58
– "P 500" 58
– "P 500 Sport" 58
M Mobility System 190
M+S tires, refer to Winter tires 180
Maintenance
– refer to Service and Warranty Information Booklet for US models 186
– refer to Service requirements 66
– refer to Warranty and Service Guide Booklet for Canadian models 186
Maintenance system 186
Malfunction warnings, refer to Check Control 67
Manual air distribution 89
Manually controlled recirculated air 90
"Manual" on the radio 137
Manual operation
– door lock 32
– driver's door 32
– fuel filler door 174
– glass sunroof 39
– luggage compartment lid 34
"Map direction of travel" 126
Map display 126
Map display facing north 126
"Map facing north" 126
Map for navigation
– changing scale 126
– destination entry 117
Master key, refer to Keys/remote control 28
Maximum cooling 89
Maximum speed for winter tires 180
MDM, refer to M Dynamic Mode 75
"MDrive" 48, 75
MDrive 48
"M Dynamic Mode" 75
Memory, refer to Seat, mirror and steering wheel memory 42
Menus, refer to iDrive 16
Microfilter 91
Microphone
– for telephone 14
– for voice command system 14
Mirror dimming feature 105

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Mirrors 45
– automatic curb monitor 46
– folding in and out 46
– heating 46
– memory, refer to Seat, mirror and steering wheel memory 42
"Missed calls" 160
Missed calls 160
Mobile communications devices in vehicle 105
Mobile phone
– accepted calls 160
– adjusting volume 158
– calling 159
– ending call 159
– installation location, refer to Center armrest 95
– missed calls 160
– operation via iDrive 158
– redialing 160
– refer to separate operating instructions
– Top 8 160
– touch tone dialing, refer to Tone dialing method 162
Mobility System 190
Monitor, refer to iDrive 16
Monitoring pressure of tires, refer to Flat Tire Monitor 76
"Monitor on / off" 47
Most recent numbers for mobile phone 160
MP3, refer to Compressed audio files 145
Multi-function steering wheel, refer to Buttons on steering wheel 11
Multifunction switch
– refer to Turn signals/ headlamp flasher 59
– refer to Wiper/washer system 59
Music track, finding 147
"Mute on / off" 47
"M View" 81
M view 81
MW, waveband 136

N

"Navigation" 64, 113
Navigation destination
– home address 122
– manual entry 113
– selecting via map 117
Navigation drive, installation location 112
Navigation DVD 112
Navigation instructions, refer to Switching voice instructions on/off 127
Navigation system 112
– address book 120
– bypassing route sections 128
– destination entry 113
– destination guidance in assistance window 112
– destination list 119
– displaying current position 128
– entering a destination manually 113
– entering destination via voice 116
– last destinations 119
– opening 113
– route display 125
– route list 126
– searching for a special destination 118
– selecting destination using information 118
– selecting destination via map 117
– selecting route criteria 122
– starting destination guidance 124
– switching off, refer to Terminating/continuing destination guidance 124
– terminating/continuing destination guidance 124
– voice instructions 127
– volume adjustment 127
"Navigation voice instructions" 47
"Navigation voice instructions on" 127
Neck support, refer to Head restraints 43
"New address" for navigation system 120
"New destination" 113, 117
New remote control 28
"New route" 128
New wheels and tires 179
"Next entertainment source" 47
"Normal", active backrest width adjustment 42
"Normal" with EDC 76
Nozzles, refer to Windshield washer nozzles 60
Nylon rope, refer to Tow-starting and towing 198

O

OBD socket 187
Octane ratings, refer to Fuel specifications 175
Odometer 62
Oil
– additives, refer to Approved engine oils 184
– approved engine oils 184
– capacity 204
– consumption, refer to Checking engine oil level 182
– level 182
– refilling, refer to Adding engine oil 183
Oil change intervals, refer to Service requirements 66
Oil temperature 63
"On a new destination" for navigation system 119
Onboard computer, refer to iDrive 16
"Onboard info" 64
Onboard toolkit 188
"On destination" 119
"On location" 119

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Opening and closing
– comfort access 36
– from inside 32
– from outside 30
– using remote control 30
– using the door lock 32
Operation by voice for mobile phone 163
– adjusting volume 164
– canceling 163
– commands 163
– correcting phone number 164
– dialing phone number 164
– placing a call 164
– redialing 165
– voice phone book 164
"Options" 170
Orientation menu, refer to Start menu 17
Output, refer to Engine data 202
Outside air, refer to AUC Automatic recirculated-air control 90
Outside temperature display 63
– changing unit of measure 72
– in computer 72

P

"P 400" 58
"P 500" 58
"P 500 Sport" 58
Panic mode 31
Park Distance Control PDC 73
"Parked car operation" 91
"Parked car ventilation" 91
Parked car ventilation 91
– activating activation time 92
– indicator lamp 87
– preselecting activation times 91
– switching on and off directly 91
Parking, vehicle 54
Parking aid, refer to PDC Park Distance Control 73
Parking assistant, refer to PDC Park Distance Control 73
Parking brake, refer to Handbrake 55
Parking lamps 83
– indicator lamp 13
Parking lamps/low beams, indicator lamp 13
Parts and accessories 6
Passenger airbags, deactivating, refer to Exception for front passenger seat 50
Passenger-side exterior mirror, tilting down 46
"Pathway lighting" 83
Pathway lighting 83
"PDC" 74
"PDC display on" 74
PDC Park Distance Control 73
Personal Profile 29
"Perspective" 126
"Phone" 159
Phone book 158
Phone numbers
– deleting from phone book 161
– dialing 159
– most recent numbers 160
– selecting in phone book 160
– Top 8 160
Pinch protection system
– glass sunroof, electric 39
– power windows 38
Plasters, refer to First-aid kit 196
"Play"
– in audio mode 146
– on the radio 143
Plug-in unit for remote control, refer to Ignition lock 53
Pollen, refer to Microfilter/activated charcoal filter 91
Position
– displaying 128
– storing 120
"POWER" 48
POWER, refer to M Engine Dynamic Control 58
Power failure 195
Power windows, refer to Windows 37
Preselecting activation times of the parked car ventilation 91
"Presets" on the radio 136
Pressure, tires 176
– producing with M Mobility System 190
"Profile" 170
Programming button function, refer to Programmable button on steering wheel 47
Protective function, refer to Pinch protection system
– glass sunroof, electric 39
– windows 38

R

Radio
– Autostore 137
– controls 132
– High Definition Radio 140
– sampling stations 137
– satellite radio 141
– selecting frequency manually 137
– selecting reception range 132
– selecting waveband 136
– station search 137
– station selection 136
– station with the best reception 137
– storing stations 138
– switching on/off 132
– tone control 133
– volume 133
– Weather Band, refer to Weather news flashes 139
Radio key, refer to Keys/remote control 28
Radio position, refer to Radio readiness 53

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Radio readiness 53
– switched off 53
– switched on 53
– with comfort access 37
Rain sensor 60
"Random", random play sequence 148
"Random all" in audio mode 148
"Random directory" in audio mode 148
"RDS" 139
Reading lamps 86
Rear armrest, refer to Center armrest, rear 98
Rear lamps, refer to Tail lamps 189
– replacing bulbs 189
Rear seat back, folding 98
Rear seats
– adjusting head restraints 44
– folding over backrest 98
– heating 45
Rear socket 98
Rear ventilation 91
Rearview mirror 45
Rear window
– heating 89
– roller sun blind, refer to Sun blinds 94
Rear window safety switch 38
"Received calls" 160
Reception
– quality 139
– radio stations 139
– regional station 137
Reception level of mobile phone, refer to Status information 20
Rechargeable flashlight 95
Recirculated-air mode
– air recirculation 90
– AUC Automatic recirculated-air control 90
Recording times, refer to Stopwatch 70
"Redial" for mobile phone 160
Reflectors, refer to Tail lamps 189
Refueling 174
Releasing, hood 181
"Relock door if not opened" 32
Remaining distance, refer to Cruising range 64
Remaining distance to destination, refer to Computer 64
Remote control 28
– battery replacement 37
– comfort access 36
– garage door opener 93
– luggage compartment lid 31
– malfunction 31, 37
Removing condensation on the windows 89
"Repeat directory" in audio mode 148
"Repeat" in audio mode 148
"Repeat track" in audio mode 148
Replacement fuses 195
Replacement of tires, refer to Changing wheels 192
Replacing bulbs, refer to Lamps and bulbs 188
Replacing tires 179
Replacing wheels/tires, refer to New wheels and tires 179
Reporting an accident, refer Initiating an emergency call 196
Reporting safety defects 7
Reserve warning, refer to Fuel gauge 63
Reservoir for washer systems 60
"Reset"
– stopwatch 70
– tone settings 135
Reset, refer to Resetting tone settings 135
"Reset to default" with MDrive 48
Residual heat 90
Restraint systems
– for children 50
– refer to Safety belts 44
Retreaded tires 179
Reverse, fast
– CD changer 149
– CD player 149
Reverse gear 56
Road map 126
"Roadside Assistance" 162, 169
Roadside Assistance 197
Roadside parking lamps 84
Roller sun blind, refer to Sun blinds 94
Roof load capacity 204
Roof-mounted luggage rack 108
Rope, refer to Tow-starting and towing 198
Rotary pushbutton, refer to iDrive 16
Route 122
– bypassing sections 128
– changing 122, 128
– displaying 125
– displaying arrow display 125
– displaying map 126
– displaying town 126
– list 126
– selecting 122
– selecting criteria 122
Route map, refer to Map display 126
"Route preference", changing 122
Route selection 122

S

Safety 5
Safety belts 44
– damage 44
– sitting safely 40
– warning lamp 44
Safety belt tensioners
– refer to Airbags 78
– refer to Safety belts 44

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Safety systems
– ABS Antilock Brake System 74
– airbags 78
– DSC Dynamic Stability Control 74
– safety belts 44
Satellite radio 141
– enabling channel 142
– selecting channel 142
– storing channel 142
"SAT" with radio 132, 142
"Save current destination" 122
"Scan"
– sampling stations 137
– sampling tracks 147
Scan
– CD changer 147
– CD player 147
– radio 137
"Scan all" in audio mode 147
"Scan directory" in audio mode 147
Screen, refer to iDrive 16
Screw thread for tow fitting 198
SDARS, refer to Satellite radio 141
"Seat heater distribution" 45
Seats 40
– active backrest width adjustment 41
– adjusting backrest width 41
– adjusting height 41
– adjusting shoulder support 41
– adjusting the seats 40
– adjusting thigh support 41
– easy entry/exit 42
– heating 45
– lumbar support 41
– memory, refer to Seat, mirror and steering wheel memory 42
– sitting safely 40
– storing the setting 42
– ventilation, refer to Active seat ventilation 45
Securing load
– refer to Securing cargo 108
– with ski bag, refer to Securing cargo 100
"Select as destination" 119
"Select current speed" 70
Selecting audio sources, refer to Operation via iDrive 132
Selecting frequency manually 137
Selecting menu items 19
Selecting new scale for navigation 126
Selecting route 122
Selection options with navigation system 122
Selector lever 55
Selector lever lock, refer to Shiftlock 55
Selector lever positions 55
Sequential Manual Transmission with Drivelogic 55
– Drivelogic driving programs 57
– idle 56
– initializing system, refer to After changing wheels/tires 180
– reverse gear 56
– Sequential mode 56
– shift lights 58
– shiftlock 55
Sequential mode 56
"Service" 66, 168
Service, refer to Roadside Assistance 197
Service and Warranty Information Booklet for US models 186
Service interval indicator, refer to Service requirements 66
"Service notification" 168
"Service Request" 162, 169
"Service requirements" 66, 168
Service requirements 66
– also refer to CBS Condition Based Service 186
"Service Status" 168
"Set"
– in audio mode 132
– on trip computer 65
"Set date" 72
"Set service date" 67
"Set time" 71
Settings
– changing on Control Display 70
– clock, 12h/24h mode 71
– configuring, refer to MDrive 48
– configuring, refer to Personal Profile 29
Setting speed limit 69
Setting time, refer to Preselecting activation time 91
"Set tire pressure" 77
Shifting 56
Shift lever 55
Shift lights 58
Shiftlock 55
Shift paddles 57
Shock absorber control, refer to EDC Electronic Damping Control 76
Short commands of voice command system 205
"Short route" for navigation 123
Short route in navigation, refer to Selecting route 122
Shoulder support 41
"Show current position" 118
"Show destination position" 118
Shuffled, refer to Random
– CD changer 148
– CD player 148
Side airbags 78
Side marker lamps, replacing bulbs 189
Side turn signals, replacing bulbs 189
Side window blinds, refer to Sun blinds 94
Signal horn, refer to Horn 10

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Sitting safely 40
– with airbags 40
– with head restraint 40
– with safety belts 40
Ski bag 99
Sliding/tilt sunroof, refer to Glass sunroof, electric 38
Slope assistant, refer to Starting off on slopes 105
SMG, refer to Sequential Manual Transmission with Drivelogic 55
"SMG Drivelogic" 48, 57
Snow chains 180
Socket for Onboard Diagnostics interface 187
Socket for remote control, refer to Ignition lock 53
Sockets, refer to Connecting electrical devices 97
Soft closure aid, refer to Automatic soft closing 33
Song search with CD, refer to Playing a track 147
SOS, refer to Initiating an emergency call 196
Spare fuses 195
Spare key 28
– adapter 28
Spare remote control 28
Spare wheel 193
– driving with spare wheel 194
– refer to Changing wheels 192
Special oils, refer to Approved engine oils 184
Specified oil grades, refer to Approved engine oils 184
Speed-dependent volume 134
Speed limit warning, refer to Speed limit 69
Speedometer 12
"Speed volume", refer to Tone control 134
Speed with winter tires 180
"Sport"
– active backrest width adjustment 42
– with EDC 76
Stability control, refer to Driving stability control systems 74
Start/Stop button 53
"Start" for stopwatch 70
"Start guidance" 116, 124
Starting, refer to Starting engine 54
Starting assistance, refer to Jump starting 197
Starting assistant, refer to Starting off on slopes 105
Starting difficulties
– jump starting 197
– refer to Special starting conditions 54
Starting off
– on a slippery surface 105
– on slopes 105
Start menu, iDrive 17
"Start route guidance" 118
"Start service" 169
"State / Province" for destination entry 114
"State inspection" 67
Station, refer to Radio 136
"Stations", presets 143
"Status" 66
Status of this Owner's Manual at time of printing 5
Steering wheel
– adjustment 47
– buttons on steering wheel 11
– easy entry/exit 47
– lock 53
– locking 53
– MDrive button 48
– memory 42
– programmable button 47
"Steering wheel button" 47
Steering-wheel shift buttons, refer to Shift paddles 57
"Stop" for stopwatch 70
"Stopwatch" 70
Stopwatch 70
Storage compartments 96
"Store in address book" for navigation system 120
"Store" on the radio 138, 143
Storing current position 120
Storing radio stations 138
Storing sitting position, refer to Seat, mirror and steering wheel memory 42
Storing tires 180
Straps, refer to Loading 108
"Street" for destination entry 115
Summer tires, refer to Wheels and tires 176
Sun blinds 94
"Surround Settings", refer to Tone control 134
SW, waveband 136
Switches, refer to Cockpit 10
Switching between high beams and low beams, automatic, refer to High-beam assistant 84
Switching cooling function on and off 89
Switching off engine 54
Switching off tilt alarm sensor 35
Switching on
– audio 132
– CD changer 132
– CD player 132
– radio 132
Switching on hour signal 71
Swiveling headlamps, refer to Adaptive Head Light 84
Symbols 4
– indicator/warning lamps 13

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

T

Tachometer 62
Tail lamps 189
– replacing bulbs 189
Tank contents, refer to Capacities 204
Target cursor for navigation 118
Technical alterations, refer to For your own safety 5
Technical data 202
Telematic, refer to TeleService, BMW Assist 167
Telephone, refer to Mobile phone 154
"Telephone list" 47
TeleService 167
– enabling 167
– services offered 168
Temperature
– adjusting in upper body region 88
– adjusting with automatic climate control 88
– of coolant, refer to Coolant temperature 62
Temperature display
– outside temperature 63
– setting units 72
Temperature warning, refer to Outside temperature 63
Tempomat, refer to Cruise control 61
"Terminate services" 170
"Text language" 72
"Theater", refer to Tone control 134
The individual vehicle 5
Third brake lamp, refer to Center brake lamp 189
Through-loading system 98
Tightening torque of the lug bolts, refer to After mounting 194
Tilting down passenger-side exterior mirror 46
"Time" 71
"Time format" 71
Timer, refer to Preselecting activation time 91
"Timer 1" for parked car ventilation 92
"Timer 2" for parked car ventilation 92
Tire inflation pressures 176
Tire pressure loss 77
Tire pressure monitoring, refer to Flat Tire Monitor 76
Tire Quality Grading 177
Tire replacement, new wheels and tires 179
Tires
– age 177
– air loss 77
– breaking-in 104
– changing 179
– condition 178
– damage 179
– flat tire, refer to Changing wheels 192
– inflation pressure 176
– M Mobility System 190
– new wheels and tires 179
– pressure monitoring 76
– replacing 192
– retreaded tires 179
– size 177
– tread 178
– wear indicators 178
– wheel/tire combination 179
– winter tires 180
"Tone" 133
Tone dialing method 162
Tone in audio mode
– adjusting 133
– middle setting 135
Tone on locking/unlocking 31
Tools, refer to Onboard toolkit 188
"Top 8" for mobile phone 160
Torque
– engine 202
– lug bolts, refer to After mounting 194
Touch tone dialing, refer to Tone dialing method 162
Tow fitting 198
Towing 198
– tow fitting 198
"Town / City" for destination entry 114
Tow-starting 198
Tracks
– random play sequence 148
– sample scan 147
Track width, refer to Dimensions 203
Traction control, refer to DSC Dynamic Stability Control 74
Traffic congestion, refer to Bypassing route sections 128
Transmission
– breaking-in 104
– Drivelogic 57
– idle 56
– reverse gear 56
– shift lights 58
– starting assistant, refer to Starting off on slopes 105
– towing 199
– tow-starting 199
Transmission, refer to Sequential Manual Transmission with Drivelogic 55
Transporting children safely 50
Transport securing device, refer to Securing cargo 108
Tread depth, refer to Minimum tire tread 178
Treble, refer to Tone control 133
"Treble", tone control 134
"Trip computer" 65
Trip computer 65
Trip-distance counter, refer to Trip odometer 62
"Triple turn signal activation" 59
Trip odometer 62

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Turning circle, refer to Dimensions 203
Turn signals 59
– indicator lamp 12
– replacing bulbs 189

U

"Unchanged" 49, 57
Underbody protection, refer to Caring for your vehicle brochure
Uniform Tire Quality Grading/ UTQR 177
"Units" 72
Units
– average fuel consumption 72
– temperature 72
Universal garage-door opener, refer to Integrated universal remote control 93
Universal remote control 93
"Unlock button" 30
Unlocking
– from inside 33
– from outside 30
– without key, refer to Comfort access 36
Unlocking without key, refer to Comfort access 36
"Update services" 170
Upshift display, refer to Shift lights 58
"Use current location as address" 120, 122
Used batteries
– refer to Disposal 195
– refer to Replacing battery 37

V

Valve screw caps, refer to After mounting 194
Vehicle
– battery 195
– breaking-in 104
– care 187
– care, refer to Caring for your vehicle brochure
– dimensions 203
– loading 106
– parking 54
– washing, refer to Caring for your vehicle brochure
– weights 204
Vehicle jack 193
– jacking points 193
Vehicle position, refer to Displaying current position 128
"Vehicle settings"
– for unlocking 30
– with MDrive 48
Ventilation 90
– draft-free 90
– in the rear 91
– while stationary 91
Venting, refer to Ventilation 90
Vents, refer to Ventilation 90
"Vent settings" 89
Voice, refer to Destination guidance with voice instructions 127
Voice command system 22
– short commands 205
Voice instructions for navigation system 127
– muting 47
– repeating 47, 127
– switching on/off 47, 127
– volume 127
Voice phone book 164
Volume 132
– audio sources 132
– mobile phone 158
– setting speed-dependent 134
– voice instructions 127

W

Warning lamps, refer to Indicator and warning lamps 13
Warning messages, refer to Check Control 67
Warning triangle 196
Warranty and Service Guide Booklet for Canadian models 186
Washer fluid 60
– capacity of the reservoir 60
Washer fluid reservoir 60
Water on roads, refer to Driving through water 105
Waveband for radio 136
"WB" 132, 140
Wear indicators in tires, refer to Minimum tread depth 178
Weather news flashes 139
Website 4
Weights 204
Wheel/tire combination, refer to New wheels and tires 179
Wheel/tire damage 179
Wheelbase, refer to Dimensions 203
Wheels and tires 176
Width, refer to Dimensions 203
Windows 37
– auto-remote operation from outside 32
– comfort operation with comfort access 36
– convenience operation 30
– safety switch 38
Windshield
– cleaning, refer to Wiper system 60
– defrosting, refer to Defrosting windows 89
– displays, refer to Head-Up Display 80
Windshield washer system
– refer to Wiper system 59
– windshield washer nozzles 60

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Windshield wipers, refer to
Washer system 59
– wiper blade
replacement 188
Winter tires 180
– setting speed limit 69
– storage 180
Wiper blade replacement 188
Wiper system 59
– rain sensor 60
– washer fluid 60
– windshield washer
nozzles 60
"With highways" for
navigation system 123
Word matching principle for
navigation 123
Working in the engine
compartment 181
Wrenches/screwdrivers, refer
to Onboard toolkit 188

X

Xenon lamps 188
– replacing bulbs 188

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Refueling

So that you will have important specifications available when you stop to refuel, we recommend that you supplement the following tables with data which apply to your vehicle. Consult the index for individual specifications.

Fuel

Designation

Please enter your preferred fuel here.

Engine oil

Quality

Tire inflation pressure

	Summer tires		Winter tires	
	Front	Rear	Front	Rear
Up to 4 persons				
5 persons or 4 plus luggage				

BMW recommends Castrol

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

More about BMW

bmwusa.com

The Ultimate Driving Machine

01 41 0 012 113 ue

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG

Online Edition for Part No. 01 41 0 012 213 - © 02/06 BMW AG